

Form approved. Budget Bureau No. 42-R1425.

UNITED STATES DEPARTMENT OF THE INTERIOR

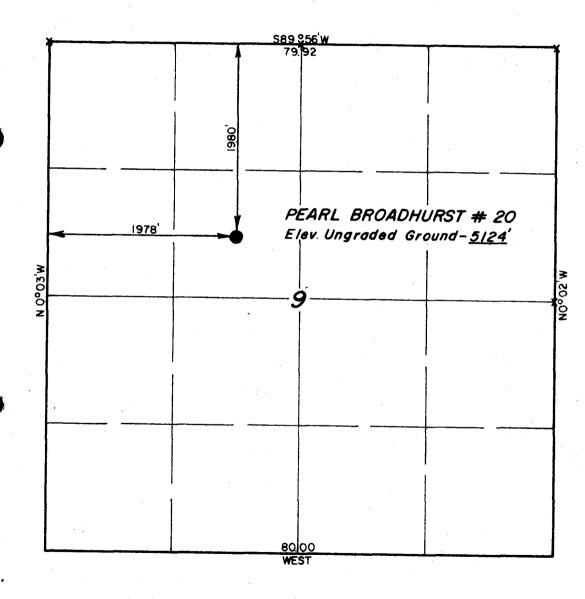
E. Jones - B. Fiant - R. Gillespie

R. Radke - D. Karren

494

	U-02651-A & a.					
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1a. TYPE OF WORK	1 OK I EKWIII	DIVILLY.				
DR	LL 🗵	DEEPEN		PLUG BA	YCK □	7. UNIT AGREEMENT NAME
b. TYPE OF WELL	AS []			NGLE X MULT		8. FARM OR LEASE NAME
	ELL OTHER		zo	NE A ZONE	ليا	Broadhurst
					0 2	9 WELL NO
Energy Reser 3. ADDRESS OF OPERATOR	ves Group, Inc.				The state of the s	20
Potr 2000 05	anaa Maamina	20600			3	10. FIELD AND POOL, OR WILDCAT
	sper, Wyoming eport location clearly and	in accordance wi	th any S	tate requirements.*)	ě	Walker Hollow =
At surface						11. SEC., T., R., M., OR BLK.
At proposed prod. zon	e 1980' FNL	1978 FWL	SE N	Iu)	وغ د د ا	3 2 2
					<u> </u>	Sec. 9, T7S-R23E
14. DISTANCE IN MILES	AND DIRECTION FROM NEAR	REST TOWN OR POS	T OFFICE	•	•	12. COUNTY OR PARISH 13. STATE Uintah Utah
Approx. 18 m.	iles south east	of Jensen,	Utah	OF ACRES IN LEASE	17 NO. 6	OF ACRES ASSIGNED
LOCATION TO NEAREST PROPERTY OR LEASE I	r		10, 40		тот	HIS WELL
(Also to nearest drlg	g. unit line, if any)	558 '	10 pp	1280 oposed depth		HO ARY OR CABLE TOOLS
18. DISTANCE FROM PROP TO NEAREST WELL, D OR APPLIED FOR, ON TH	RILLING, COMPLETED,	320 '	10. 11	5800' Mrien /		Rotary SE
21. ELEVATIONS (Show who		520	<u></u>	Division		22. APPROX. DATE WORK WILL START*
	+' GR	e de la companya de l		Ecoco		June 1981
23.		PROPOSED CASI	NG AND	CEMENTING PROG	RAM O	
SIZE OF HOLE	SIZE OF CASING	WEIGHT PER F	00Т	SETTING DEPTH] * §	QUANTITY OF CEMENT
125"	8 5/8!!	24#		500'+	Cemen	t to surface
7 7/8"	51/11	14#		5800 '	Suffi	giont to protoct
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zone. If proposal is to	drill or deepen directions	proposal is to deep lly, give pertinen	pen or p t data o	lug back, give data on n subsurface locations	present prod and measure	ductive zone and proposed new productive and true vertical depths. Give blowout
preventer program, if an 24.	·					
SIGNED WOOL	trail of mo	TI	rle Fi	eld Services	Adm.	DATE 3-10-81
(This space for Fede	ral or State office use)					To Entre de Desembre
		30941			8	할 일이 불면 살고 등급하다 하는데
PERMIT NO.	 	1-11	 ::	APPROVAL DATE	\$ 3 5:5	
						DATE
CONDITIONS OF APPROV	AL, IF ANY:	TI	PLB			
cc. State o	of Utah		1.5			

TTS , R23E , S.L.B.&M.



PROJECT
ENERGY RESERVE GROUP

Well location, PEARL BROADHURST #20, located as shown in the SE I/4 NWI/4 Section

9, T7S, R23E, S.L.B.&M. Uintah County, Utah.



CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF ACTUAL SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

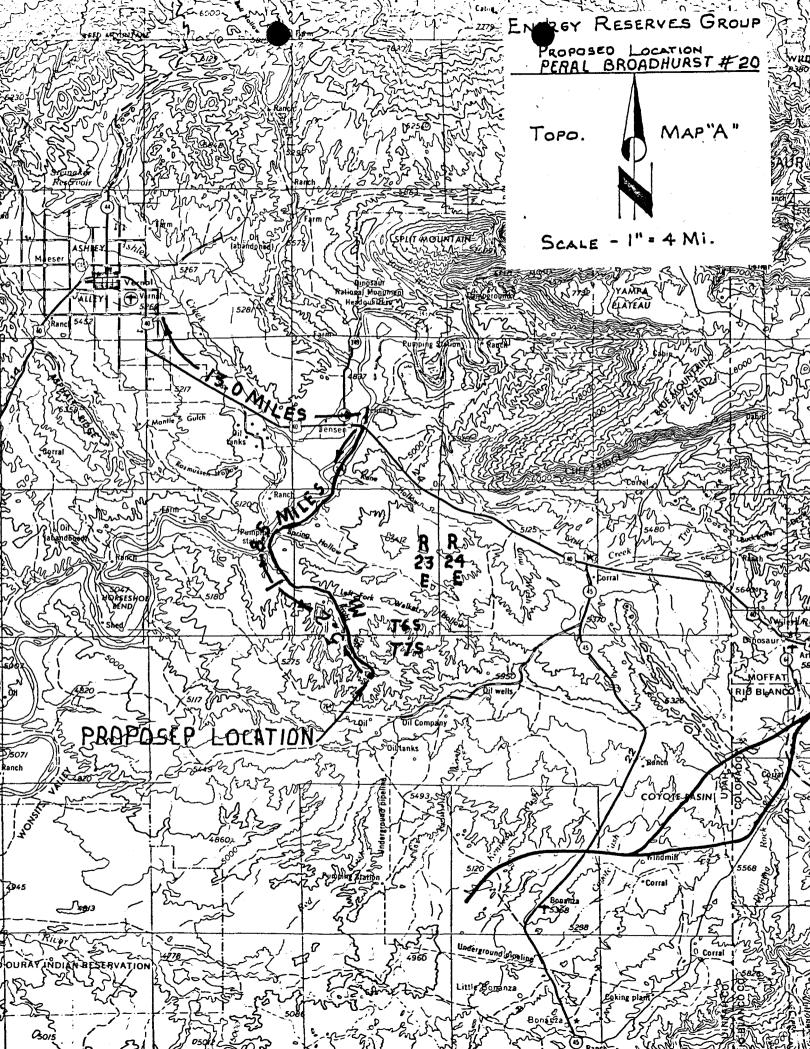
REGISTERED LAND SURVEYOR

REGISTERED LAND SURVEYOR REGISTRATION Nº 3137
STATE OF UTAH

UINTAH ENGINEERING & LAND SURVEYING
P.O. BOX Q — 85 SOUTH - 200 EAST
VERNAL, UTAH - 84078

SCALE " = 1000"	DATE 3/5/81
PARTY DA DK FO	REFERENCES GLO Plat
WEATHER Cool Cloudy	FILE ENERGY RESERVE GROUP

Section Corners Located



TEN POINT PROGRAM

1) SURFACE FORMATION: Uintah

2 & 3) ESTIMATED TOPS:

Green	River		3050 ¹			
Green	River	"G"	4570 †			
Green	River	"H"	4875 '			
Green	River	"I"	5120 '	Oil	3	Gas
Green	River	''J''	5400 '			
Green	River	"K"	5550† ·			
T.D.			5800			

4) CASING PROGRAM:

- 8 5/8", K-55, 24#, New Casing, ST&C 5 ½", K-55, 14#, New Casing, ST&C
- 5) PRESSURE CONTROL EQUIPMENT: (See attached schematic diagram) BOP's and choke manifold will be installed and pressure tested before drilling out under surface casing and then will be checked daily as to mechanical operating condition. Ram type preventors and related pressure control equipment will be pressure tested to rated working pressure of the stack assembly or to 70% of the minimum internal yield pressure of the casing. Annular type preventors will be tested to 50% of their rated working pressure. BOP's will be pressure tested at least once every 30 days.
- 6) MUD PROGRAM:

Fresh water base gel mud will be used during the entire drilling operation. Mud weight 9.5 ppg. VIS 50-55, Water loss, PH 9.5

Sufficient mud materials to maintain mud properties, control lost circulation and to contain blowout will be available at wellsite.

- 7) AUXILLIARY EQUIPMENT:
 - a. Kelly cocks
 - b. Bit floats will be available
 - c. Mud monitoring will be visual unless otherwise specified
 - d. A full opening valve with drill pipe thread will be available on the rig floor
- 8) LOGGING: DIL, SGR, CN-D

CORING: None

TESTING: None

STIMULATION: 60,000 gallons of gelled water with 100,000# sand. All applicable

state & federal regulations concerning equipment placement will be

adhered to.

9) ABNORMAL PRESSURE: None

ESTIMATED BOTTOMHOLE PRESSURE: 2200 PSI

10) ANTICIPATED STARTING DATE: June 1981

DURATION OF OPERATION: 30 days

Dilibion of Gal, Eas & Maria LEASE: Broadhurst No. 20

Lease No. U-02651-A

LOCATION: SW4 NW4 Section 9 T7S-R23E

DATE: 3-10-81

2.

SURFACE USE AND OPERATIONS PLAN

1. Existing roads

- A. Proposed well site & access road staked see attached topo map
- B. Route and distance from nearest town: Proceed south from Jensen, Utah along Utah Hwy. 264, 8.6 miles to the junction of this highway and an existing improved road to the south east. Proceed along this road for approx. six miles to the junction of the proposed access road.
- C. Access roads to location: Color coded.
- D. Exploratory well: Not applicable.
- E. Development well: For all existing roads within a one mile radius See Map.
- F. Plans for improvement and/or maintenance: No improvements are necessary.

 Maintenance will be performed as necessary by Energy Reserves Group, Inc.

 Planned access roads. See Map.
 - 1. Width: 30' with ditches 1540' in length
 - 2. Maximum grade: 8%
 - 3. Turnouts: None
 - 4. Drainage design: Ditched & Crowned
 - 5. Location and size of culverts: One 5' culvert where leaving main access road Major cuts and fills: None
 - 6. Surface Materials: Gravel or crushed rock purchased on fee lands
 - 7. Gates: None

Cattleguards: None

Fence cuts: None

8. Center-line road flagging: The route of the new access road is flagged as shown on Map.

3. Location of existing wells

- 1. Water wells: None
- 2. Abandoned wells: Well No. 3 SW4 NE47, Section 9
- 3. Temporarily Abandoned Wells: Well No. 5 SW \ SW \ , Section 10
- 4. Disposal wells: None
- 5. Drilling wells: 11, 14, 15, 16, 17
- 6. Producing wells: 1, 2, 4, 6, 7, 8, 9, 10, 12, 13
- 7. Shut-in wells: None
- 8. Injection wells: None
- 9. Monitoring or observation wells: None

4. Location of existing and/or proposed facilities owned and/or controlled by Energy Reserves Group, Inc.

A. Existing facilities:

- Tank batteries: Located @ wells #1, #2, #4, #6 between wells #8 & #9 and north of well #3
- 2. Production facilities: All wells are equipped with beam type pumping
- 3. Oil gathering lines: From wells #7, #10, #15 to battery @ well #6- from wells *8,9,11,16 & 17 to battery between wells #8 & #9 from wells 12,13,14,18,19 & 20
 4. Gas gathering lines: Each well has a gas gathering line to its to battery
 5. Injection lines: From Red Eash Field to Well No. 3
- 6. Disposal lines: None

B. New production facilities:

- Proposed tank battery: None a pipeline is proposed from this well to the battery site north of well No. 3 - Approx. 2000' flowline
- 2. Dimensions of facilities: NA
- Construction methods and materials: Area to be used will be leveled with dozer, materials used for foundation will consist of crushed rock and
- Protective measures and devices: Pits will be fenced and flagged to protect livestock, wildlife and waterfowl.
- C. Plans for rehabilitation of disturbed area: All disturbed areas not needed for operation will be contoured to match existing terrain and reseeded with the seed mixture recommended by the surface owner.

5. Location and type of water supply

- A. Location: Pipeline near well No. 3 Supply: Pipeline from Red Wash Field
- Method of transportation: Water will be hauled by tank trucks using existing roads.
- C. Water wells to be drilled:

Source of contruction materials

- A. Location: Private sources (gravel)
- B. From Federal or Indian lands: None
- C. Additional materials:
- D. Access roads on Federal or Indian lands: As shown

7. Methods of handling waste disposal

- Cuttings and drilling fluids: Deposited during drilling operations will be put in reserve pits.
- 3. Produced fluids: Tanks will be used for storage of produced fluids during testing.
- Sewage: Sewage will be contained in a portable lattrine or bored hole and a suitable chemical will be used to decompose waste materials.
- Garbage and other waste materials: Garbage and other waste materials will be put in burn pit and all flammable materials will be burned. Burn pits will be enclosed with small mesh wire to prevent littering.

6. Proper clean-up of well-site: Upon completion of drilling all trash and litter will be picked up and placed in the burn pit which will be buried. The reserve pits will be fenced on three sides during drilling and the fourth side will be fenced when drilling is completed. They will remain fenced until dry at which time they will be backfilled. 8. Ancillary facilities 1. None planned. 9. Wellsite layout Cuts and fills: See Diagram. 2. Location of pits and stockpiles: For location of mud tanks, reserve, burn and trash pits, pipe racks, living facilities and soil materials stockpiles, Pad orientation: For rig orientation parking areas and access roads, see Diagram. 4. Lining of pits: No plans to line reserve pits at this time. 5. O.S.H.A. requirements: Area needed to conduct the fracturing operations in a safe manner and in accordance with O.S.H.A. standards will be within the areas already disturbed. 10. Plans for restoration of surface Backfilling, leveling, contouring, and waste disposal: Topsoil will be stripped from the location and stockpiled for use after completion of contouring at which time it will be redistributed on the location. Backfilling of the reserve pits will be done as soon as the pits are dry. Contouring of the location will be done, in the event of a dry hole, to restore the surface to as near its original condition as possible. In the event of production those portions of the pad not needed for operations will be contoured in such a manner as to support vegetation and blend into the surrounding topography as much as possible. Waste disposal will begin immediately after completion of drilling. All trash and litter will be picked up, placed in the burn pit and buried. Revegetation and rehabilitation: Revegetation of the location and access roads (those not left for landowner use) will begin with reseeding which will be done in the Spring or Fall of the year with the seed mixture specified by the appropriate agency or landowner. Rehabilitation of the location and access road will include contouring, replacement of topsoil and reseeding as discussed above. Prior to rig release: The pits will be fenced on four sides to protect livestock and wildlife. Fence will remain until pits are backfilled. Oil on pit will be removed or overhead flagging will be installed for the protection of waterfowl. Timetable of rehabilitation operations: Commencement of rehabilitation work will be upon completion of drilling. Completion of rehabilitation work will depend on weather conditions and time required for pits to dry. 11. Other information used Topography, soil characteristics, geologic features, flora and fauna: The Topography of the General Area - (See Topography Map "A" The area is a large basin formed by the Uintah Mountains to the North and the Book Cliff Mountains to the South. The basin floor is interlaced with numerous canyons and ridges formed by the non-perennial streams of the area. The sides of these canyons are steep and ledges formed in sandstone ledges, conglomerate deposits, and shale are dommon in this area. The geologic structures of the area that are visible are of the Uintah formation (Eocene Epoch) Tertiary Period in the upper elevations and the cobblestone and yonger deposits from the Quaternary Period. Outcrops of sandstone ledges, conglomerate deposits and shale are common in this area. The topsoils in the area range from a light brownish-gray sandy clay (SM-ML) type soil with poorly graded gravels to a clayey (OL) soil.

The majority of the numerous washes and draws in the area are of a non-perennial nature flowing during the early spring run-off and heavy rain storms of long duration which are rare as the normal annual rainfall in the area is only 8".

Due to the low precipitation average, climatic conditions and the marginal types of soils, the vegetation that is found in the area are common of the semi-arid regions and consists of areas of sagebrush, rabbitbrush, some grasses and cacti as the primary flora. This is also true of the lower elevations.

The fauna of the area is sparse and consists predominantly of the mule deer, pronghorn antelope, coyotes, rabbits, and varieties of small ground squirrels and other types of rodents. The area is used by man for the primary purpose of grazing domestic sheep and cattle.

The birds of the area are raptors, finches, ground sparrows, magpies, crows and jays.

- 2. Surface-use and ownership:
 - 3. Proximity of water, occupied dwellings, archeological, historical or cultural sites:

 The Green River is located approximately 15 miles to the West of the location site.

There are no occupied dwellings or other facilities of this nature in the general area.

There are no visible archaeological, historical, or cultural sites within any reasonable proximity of the proposed location site.

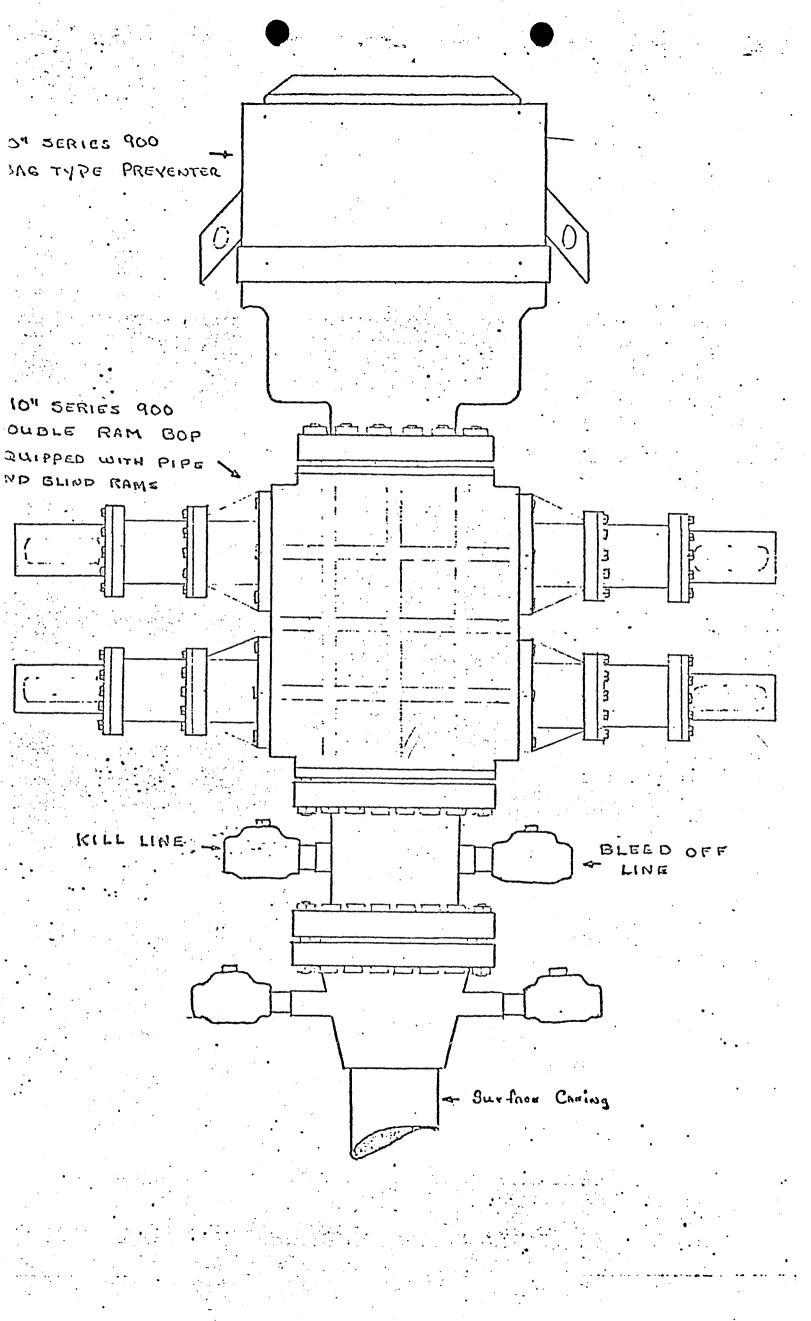
12. Lessee or operator's field representative

ENERGY RESERVES GROUP, INC. P.O. BOX 3280 CASPER, WYOMING 82602

Phone No. 307-265-7331 (office)

13. Certification

I hereby certify that I, or persons under my direct supervision have inspected the proposed drillsite and access route; that I am familiar with the conditions which presently exist; that the statements made in this plan are. to the best of my knowledge true and correct; and, that the work associated with the operations proposed herein will be performed by Energy Reserves Group, Inc. and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved.



United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICA	TION	
OperatorEnerg	y Reserves Group, Inc.	
Project Type	Oil Well	
Project Location _	1980' FNL 1978' FWL	Section 9, T. 7S, R. 23E.
Well No. Broad	hurst 20 I	Lease No. <u>U-02651-A</u>
		981
3		
FIELD INSPECTION	Date March 31,	1981
Field Inspection Participants	Greg Darlington	USGS, Vernal
	Cory Bodman	BLM, Vernal
	Durrell Karren	Energy Reserves
	Earl Cady	Ross Construction
Polated Environmen	tal Documents: Uni	it Resource Analysis, Bonanza Planning
Unit, BLM, Verna		
I have reviewed th	e proposal in accordar proposal would not inv resent an exception to	nce with the categorical exclusion review volve any significant effects and, there-
April 6		Gregory Darlington
Date Pr		Environmental Scientist
I concur 4/13/	' F1	Eevly
/ Da	te.	District Supervisor

Typing Out

Typing In

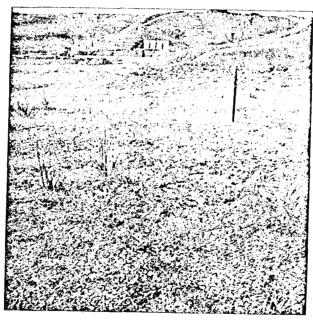
PROPOSED ACTION:

Energy Reserves Group proposes to drill the Broadhurst #20 well, a 5800' oil test of the Green River Formation. A new access road of about 1600' length is proposed and an oil flowline route will be located parallel to this new road. This oil flowline would then join the proposed flowline from Broadhurst #19 and proceed to an existing tank battery as indicated in the APD. A pad 185' by 325' and a reserve pit 75' by 150' are proposed for this location. However, because of existing topography, most of the south corner of the pad will be rounded off and the reserve pits will be located downhill about 125' from the edge of the pad. the soil adjacent to the pad was too sandy and steep for a good reserve pit.

RECOMMENDED APPROVAL CONDITIONS:

The operator agrees to accept and adhere to the following conditions in addition to the plans outlined in the APD:

- 1. BLM Stipulations
- 2. Lease Stipulations
- Provide adequate logs for the identification of other minerals as requested in the Mineral Evaluation Report and Mining Report.



South View Energy Reserves #20

FIELD NOTES SHEET

	FIELD NOTES SHEET
	911. P 31
	Date of Field Inspection: March 31
	Well No.: 20 Broadharst
	Lease No.: V-02651-A
	Lease No.:
	Approve Education
	Approve Access Road:
	Modify Location or Access Road: Rounded South Conur of 1000 as much
	the Place Reserve Pits 125 let NW of the edge
	Modify Location or Access Road: Roundoff South Corner of Pad as much do possible. Place Reserve Pits 125 let NW of the edge of pad to allow for a less simply; less steep mere solid to wastriction of the pad.
-ئــ ع	of pad to wow for a desired
-	to construction of the pad.
T	Evaluation of Criteria for Categorical Exclusion
	1. Public Health and Safety
	2 Noigue Characteristics
	3. Environmentally Controversial Items
	4. Uncertain and Unknown Risks
	5. Establishes Precedents
	6 Coopulatively Significant
	National Register Historic Places
	n ustragorad/Threatened Species
	9. Violate Federal, State, Local, or Tribal Laws
	ullet
	lf this project is not eligible for Categorical Exclusion circle the numbers of
	the above criteria requiring the preparation of an EA.
	" A too lude local
	Comments and special conditions of approval discussed at onsite: (include local
	topography) Building The location should be somewhit interesting
	le de la blens South Corner reguires 650
	Comments and special conditions of approval discussed at onsite: (include local topography) Building The location should be commonful intensiting Setup will note a few problems. South lower requires to hack till.
	much fill,
	V
	•

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Feder Corre- spondence (date)	al/State Ap Phone check (date)	Meeting (date)	Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
• Public health and safety							1,2,4,6	3-3/-8/	Other
. Unique characteristics							1,2,4,6	3-3/	
. Environmentally controversial							1,2,4,6	33/	
Uncertain and unknown risks					·		1,2,5,6	3-3/	
• Establishes precedents							1,2,4,6	3-3/	
Cumulatively significant	·						1,2,4,6	3-3/	
7. National Register historic places				-			1,6	3-3/	
8. Endangered/ threatened species							1,6	3-3/	
9. Violate Federal, State, local, tribal low					·		1507,6	3-3/	

CATEGORICAL EXCLUSION REVIEW COMMON REFERENCE LEGEND

- Surface Management Agency Input
- Reviews Reports, or information received from Geological Survey (Conservation Division, Geological Division, Water Resource Division, Topographic Division)
- Lease Stipulations/Terms
- Application Permit to Drill
- Operator Correspondence
- Field Observation
- Private Rehabilitation Agreement 7.
- USGS conditions of approval. 8.

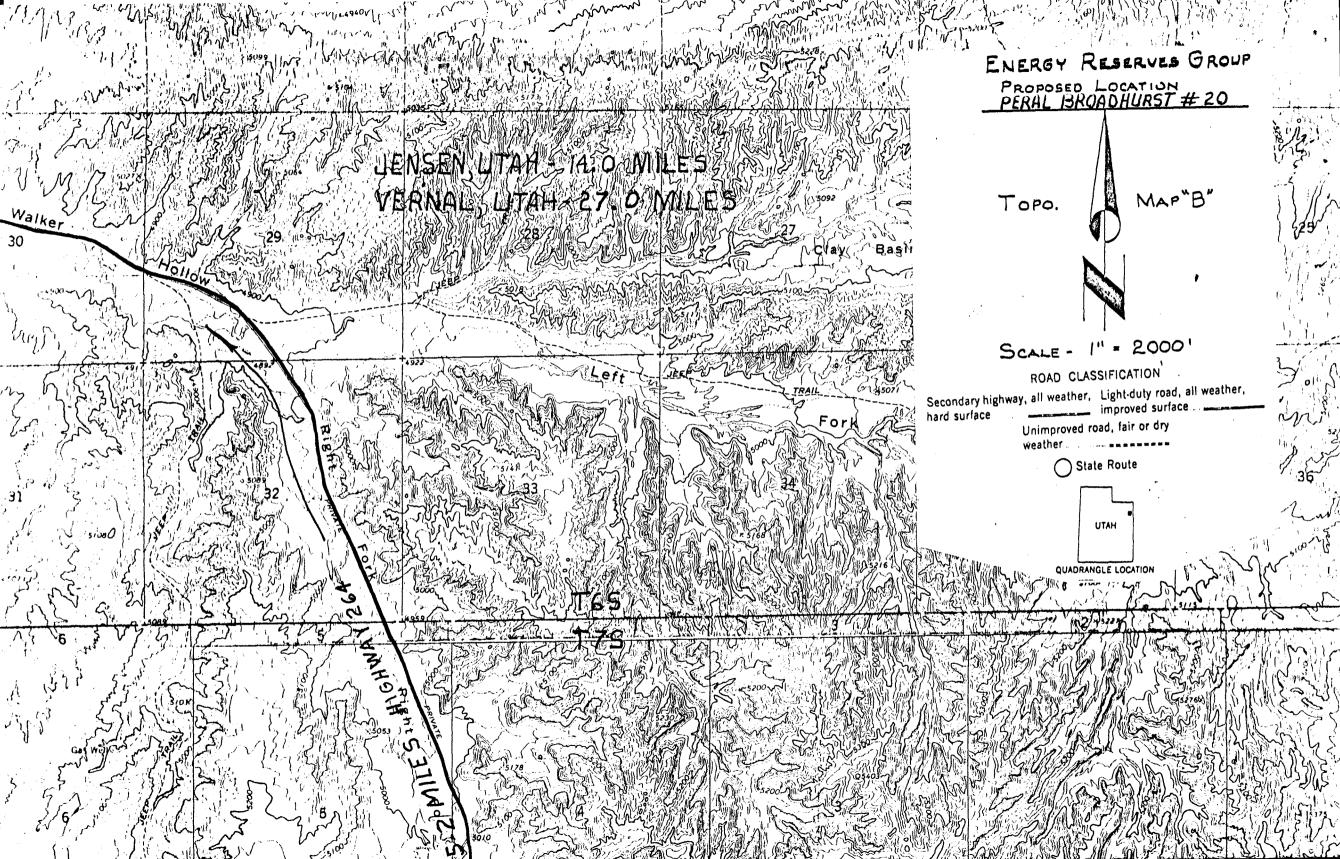
TROM: : DISTRICT GEOLOGIST, SALT LAKE CITY, UTAH	
O : DISTRICT ENGINEER, O&G, SALT LAKE CITY, UTAH	
SUBJECT: APD MINERAL EVALUATION REPORT LEASE NO. U-02651-A	
OPERATOR: Energy Reserves Group WELL NO 20	
1 OCATION: C SE & NW & sec. 9, T. 75, R. 23E, SCM	
Vintah county, Utah	
1. Stratigraphy:	
Vintah Surface Green River 3050' "G" zone 4570', "K"zone 5550'	
"H" zone 1875' "I" zone 5120'	•
"J" zone 5400'	
2. Fresh Water:	
Fresh water may be present in the Uintah and in isopper Green River sandstones.	
3. Leasable Minerals:	
Oil Igas: Green River	
0:1 shale: Green River. Mahogany zone should occur	
at ~ 4525'.	

4. Additional Logs Needed: Adequate

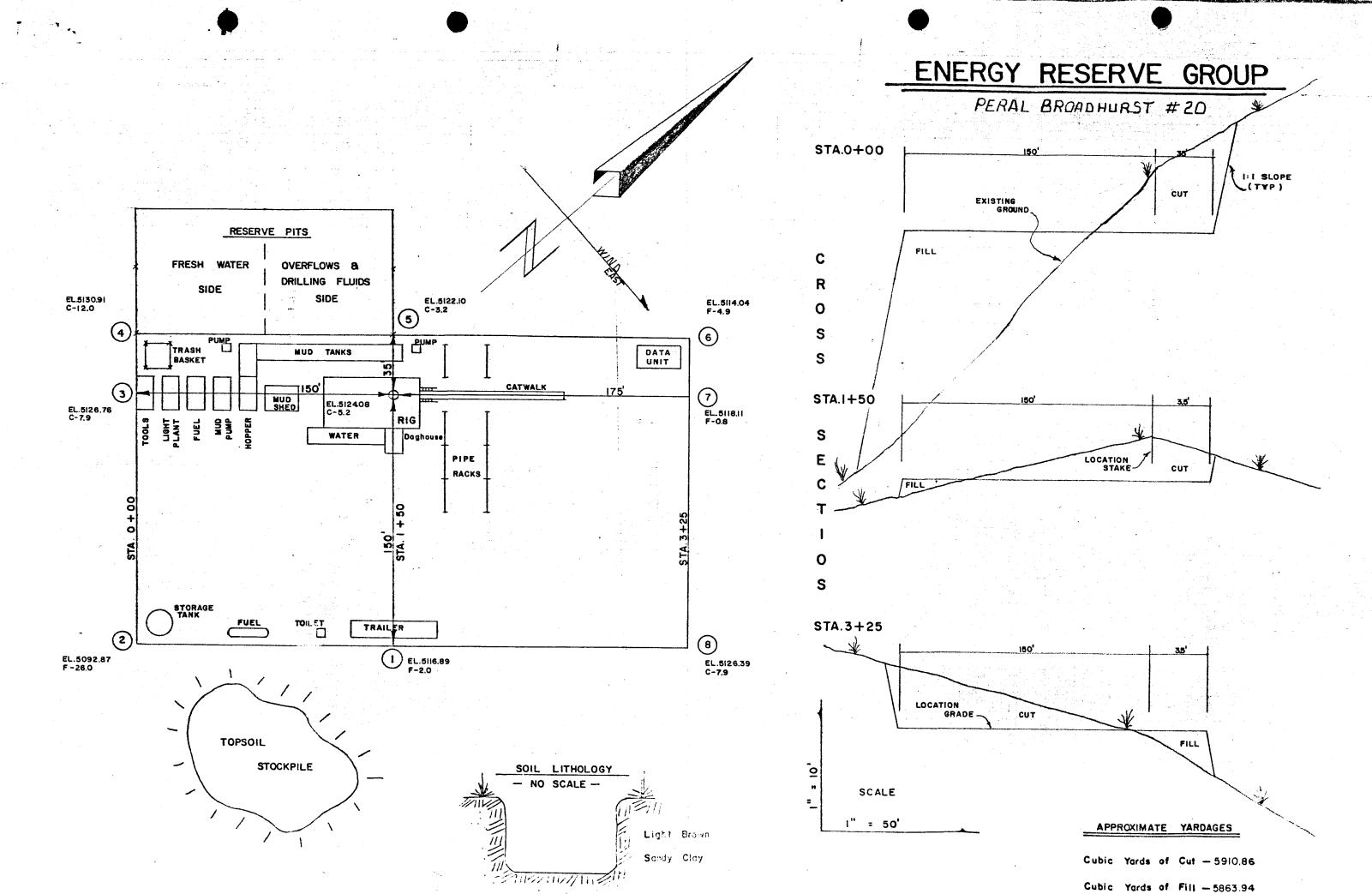
5. Potential Geologic Hazards: None expected

6. References and Remarks:

Signature: Signature: 1 - 27 - 8







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Form approved. Budget Bureau No. 42-R1425.

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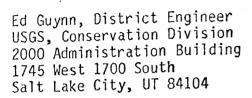


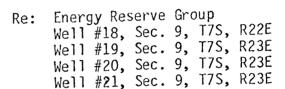
United States Department of the Interior

T&R U-802

Vernal District Office 170 South 500 East Vernal, Utah 84078

April 3, 1981





Dear Mr. Guynn:

A joint examination was made on March 31, 1981, of the above referenced well site locations and proposed access roads. We feel that the surface use and operating plans are adequate with the following stipulations:

- Construction and maintenance of roads, rehabilitation of disturbed areas, and construction of pipeline routes, shall be in accordance with surface use standards as set forthin the brochure, "Surface Operating Standards for Oil and Gas Exploration and Development".
- Travelling off access road rights-of-way will not be allowed. The
 maximum width of access road (both existing and planned) will be 30
 feet total disturbed area, except where backslopes and fills require
 additional area. Turnouts will not be required. The road will be
 crowned and bar ditches installed where needed.
- It was agreed upon by all parties present that the applied for pad sizes are of adequate size to handle all drilling and fracturing operations.
- 4. The BLM must be contacted at least 24 hours prior to any construction activities.
- The BLM will be contacted at least 24 hours prior to any rehabilitation activities. The operator may be informed of any additional needed seeding and restoration requirements.



- 6. Burn pits will not be constructed. There will be no burning or burying of trash or garbage at the well sites. Refuse must be contained and hauled to an approved disposal site.
- 7. A wire mesh or net type of fence, topped with at least one strand of barbed wire, will be used around the reserve pits.
- 8. For Wells 18, 19, and 21, the top four to six inches of topsoil will be gathered and stockpiled between corners #7 and #8. No topsoil will be stockpiled at Well #20 as it is located in a "Badland" range site.
- 9. The proposed flowline routes are acceptable to this office provided surface disturbance is limited to building of low water crossing so that trucks and equipment can safely cross streams and drainages.

The proposed activities do not jeopardize listed, threatened, or endangered flora/fauna or their habitat.

A cultural resource clearance was conducted for all pads and roads. No cultural material was found.

The BLM representative will be Cory Bodman, 789-1362.

Sincerely,

Dean L. Evans Area Manager

Bookcliffs Resource Area

cc: USGS - Vernal

** FILE NOTATIONS **

DATE:	March 31	1981			
OPERATOR	: Energy	Reserves S	roup Inc		
WELL NO:	Broagh.	urst #20			
	and the second s	т. <u>75</u> к.	23E Count	: Untah	
File Pre	pared:	En	tered on N.I.D	:///	
Card Ind	lexed:	Со	mpletion Sheet		
	•	API Number 43	-047-30	941	
CHECKED	BY:				
Pet <u>Q</u>	roleum Engineer:	My Men	der 4-2	72-81	
Dir	rector: OK O	57			
Adm	inistrative Aide Undrys.; Ok	OK as per on any other	C-3 space	ing ok on	
APPROVAL	LETTER:				
Воп	d Required:	7	Survey Plat R	equired:	
	ler No.		O.K. Rule C-3		
Rul	e C-3(c), Topogra within	aphic Exception - a 660' radius of	company owns proposed site	or controls acreag	2
Lea	se Designation \angle	Sed/	Plotted on Maj		
	%	Approval Letter	written /	7	
Hot	: Line	P.1.	benevertherauk		

April 29, 1981

Energy Reserves Group, Inc. Box 3280 Casper, Wyoming 82602

Re: Well No. Braddhurst 20 Sec. 9, T. 7S, R. 23E, SE NW Uintah County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure. This well is approved to be completed as an oil well only.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immediately notify the following:

MICHAEL T. MINDER - Petroleum Engineer Office: 533-5771 Home: 876-3001

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-047-30941.

Sincerely,

DIVISION OF OIL, GAS, AND MINING

Michael T. Minder Petroleum Engineer

MA Manter

MTM/ko cc: USGS

DIVISION OF OIL, GAS AND MINING

SPUDDING INFORMATION

NAME OF COMPANY: Energy Res	erves Gro	up, Inc.		- · · · · · · · · · · · · · · · · · 			
WELL NAME: Pearl Boradhurst #20							
SECTION SENW 9 TOWNSHIP	7S	_ RANGE	23E	COUNTY_	Uintah		
DRILLING CONTRACTOR	MCF Dri	lling Com	pany				
RIG #65	•				٠		
SPUDDED: DATE 8-27-81	-						
TIME 12:30 PM	•						
How Rotary							
DRILLING WILL COMMENCE		 					
REPORTED BY Mr. Gillispie		·					
TELEPHONE # (307) 265-733	<u>l</u>						
				•			
DATE 8-28-81			SIGNED_		DB		

UNITED STATES DEDADTMENT OF THE INTEDIOR

UNITED STATES	5. LEASE 2 0 2 0	-
DEPARTMENT OF THE INTERIOR	U-02651-A	
GEOLOGICAL SURVEY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME	-
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SUNDRY NOTICES AND REPORTS ON WELLS	7. UNIT AGREEMENT NAME	
(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)	7 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	_
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Energy Reserves Group, Inc.	10. FIELD OR WILDCAT NAME	-
3. ADDRESS OF OPERATOR	Walker Hollow 2 3 3 3 3	
P.O. Box 3280 - Casper, Wyoming 82602	11. SEC., T., R., M., OR BLK. AND SURVEY OF	₹
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CHANGE ZONES		3
ABANDON*	Partie of the state of the stat	į
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17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Control state including estimated date of starting any proposed work. If well is 6)	rectionally drilled, give subsurface locations and	í
measured and true vertical depths for all markers and zones per larger	t to this work.)* Signal of the signal of th	
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Ran 12 jts 8-5/8" O.D., 24#, K-55, R-3, ST&C w/365 sx Class "H" cement w/2% CaCl ₂ & 1/4# F 8-28-81. Good cement returns. Nippled up and pressure tested BOPE to 1200 p 8-31-81 - Drlg 7-7/8" hole to 2,460'.	locele/sx. Plug down @ 6:15 AM	
8-28-81. Good cement returns.	지하는 기계	
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Form Approved.

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3. ADDRESS OF OPERATOR	Walker			₹ 5	
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including estimated date of starting any proposed work. If well is di- measured and true vertical depths for all markers and zones pertinent	rectionally drilled	l, give subs	urface	locations	and
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Cemented w/770 sx of HOWCO "Light" cement w/3%	% Salt; 10#	Gilsoni	te &	1/4#	
Flocele/sx.; followed by 460 sx of 50-50 Pozmi				100	
1/4# Flocele/sx. Plug down @ 6:00 PM 9-9-81. @	dood cement		objicepis gists tednikemen	gong grifficidus not get the wel trobes internos encionates internos encionates	
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FORM OGC-8-X

FILE IN QUADRUPLICATE

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES
DIVISION OF OIL & GAS CONSERVATION
1588 West North Temple
Salt Lake City, Utah 84116

DIVISION OF CIL, GAS & MINING

REPORT OF WATER ENCOUNTERED DURING DRILLING

Well Name &	Number <u>U.S.A. Pearl</u>	Broadhurst #20	
Operator <u>Ene</u>	rqy Reserves Group, I	nc. Address P.O. Box	x 3280-Casper, WY 82 602 - 30 7-2657331
Contractor_	MGF Drilling Company	Address P.O. Box	x 940-Mills, WY 82644 - 307-234-7389
Location SE	½ NW ½ Sec, 9	T. 7 N R. 23 E	Uintah County, Utah
Water Sands:	:	w w	
Depth		<u>Volume</u>	Quality
From	То	Flow Rate or Head	Fresh or Salty
1(During	drilling operations n	o water flows were encount	tered. The drilling was
2. essentia	lly water from surfac	e to ± 2,460' and chemical	l/gel mud system from ±
3. 2,460 to	o T.D., with mud weig	hts ranging from 9.0-9.4 p	ppg).
4			
5.			
/ 	<u> </u>	(Continue	on reverse side if necessary)

Formation Tops:

Uintah @ surface Green River ± 2,808'

Remarks:

NOTE:

- (a) Upon diminishing supply forms, please inform this office.
- (b) Report on this form as provided for in Rule C-20, General Rules and Regulations and Rules of Practice and Procedure, (See Back of form).
- (c) If a water analysis has been made of the above reported zone, please forward a copy along with this form.

UNI D STATES SUBMIT IN DUPLICAL

(See other instructions on reverse side)

	approved		
Budge	t Bureau	No.	42-R355.

3

ON SOLD SIAILS								
DEPARTMENT	OF	THE	INTERIOR					
GEOLOG	ICAL	. SUR	/EY					

verse side) 5. LEASE DESIGNATION AND SERIAL

WELL COMPLETION OR RECOMPLETION REPORT AND LOG* TA TYPE OF WELL: OUTL WALL OUT Other THE TYPE OF ORDERSTON: ENTRY WALL OUT Other S. MINER STATES DEEP PLOY DIFF. S. MINER STATES DIFF. OTHER STATES Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON Energy Reserves Group, Inc. S. MINER STO OF ORDERSTON S. MINER STO OF ORDERSTON At sorties ST. MINER STO. At sorties ST. MINER ST.	GEOLOGICAL SURVEY				U-026	U-02651-A							
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S. PARM OF CHARLEST Section Depty Section Depty De	1a. TYPE OF WEL	L: OIL WELL	X GAS WELL	DRY	Other				7. UNIT AGE	EEMENT	NAME		
USA Pearl Broadhurst Security	b. TYPE OF COMPLETION:												
Energy Reserves Group, Inc. 3. Anothers of orderators P. O. Box 3280, Casper, WY 82602 4. LOCATION OF WILL (Report location clearly and in secondance with any State requirements)* At surface 1,980° FNL & 1,978° FWL (SE/NW) At total depth 14. PREMITE NO. DATE STRUCK (SE/NW) At total depth 15. DATE REPUBLIED 17. DATE COLUE. (Ready 19 970° 100° 180° 180° 100° 180° 180° 180° 18			BACK L	RESVR.	Other				-		2		
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P. O. BOX 3280, Casper, WY 82602 At location of public (Report and in accordance setth any State requirements)* At total depth At total dep	3. ADDRESS OF OPER	BATOR							20				
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0. TOTAL DEPTH. MD & TYD					to prod.) 1					19. E	LEV. CASINGHEAD		
5,563' KB 5,523' KB										<u> </u>			
1. PRODUCTION INTERVAL(S), OF THIS COMPLETION.—TOP, BOTTOM, NAME (MD AND YND)* 25. WAS DIRECTIONAL SURVEY MADE No		l l		HOW N	IANY*	4.,				LS	CABLE TOOLS		
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CASING RECORD (Report all strings set in well) 8-5/8"									1	27. WA			
Reference River	Compensated	Densilog/Ne	utron; Dual	Inducti	on & Aci	oust	ilog				No		
S-5/8" 24# 492' KB 12-1/4" 365 sx Class "H" w/2% -0-					port all string	18 set i	n well)						
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None 2-7/8" 5,446	SIZE			CEMENT*	SCREEN (M	(41					PACKER SET (MD)		
PERFORATION RECORD (Interval, size and number) Green River "J" Zone 5,282'-5,343' W/ 2 JSPF (16 holes) - 0.39" hole Green River "K" Zone 5,403'-5,443' W/ 3 JSPF (15 holes) - 0.39" hole FRODUCTION PRODUCTION													
Green River "J" Zone 5,282'-5,343' W/ 2 JSPF (16 holes) - 0.39" hole Green River "K" Zone 5,403'-5,443' W/ L JSPF (15 holes) - 0.39" hole The first production The first production of production of production of production of production of production of production The first production The first production of production The first production of produ								_ -	O TTO INL	' -	NOTE		
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JSPF (15 holes) - 0.39" hole 5,403'-5,443'KB Breakdown & Fracture					5,282'	-5,	343'KB						
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PRODUCTION PRODUCTION PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) WELL STATUS (Producing or shut-in) Producing Producing or shut-in) Produ	1 125L (12 L	101es) - 0.3	9" note		5,403	-5,4	43'KB	Brea					
PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump) 1-5-81	*			PROI	DUCTION				(zee Rack	()			
Pumping 2-1/2" x 1-3/4" x 14' Rod Pump Producing TE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD 104 NA 173 NA W. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 104 NA 173 ± 28.5° DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) LIST OF ATTACHMENTS Cample Descriptions Attached	TE FIRST PRODUCTIO	N PRODUCTI	ON METHOD (Flowing			and ty	pe of pum	p)	WELL :	STATUS	(Producing or		
TE OF TEST HOURS TESTED CHOKE SIZE PROD'N. FOR TEST PERIOD 104 NA 173 NA I-11-81 24 104 NA 173 NA W. TUBING PRESS. CASING PRESSURE CALCULATED 24-HOUR RATE 104 NA 173 ± 28.5° DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) LIST OF ATTACHMENTS CAMPLE DESCRIPTIONS Attached	11-5-81	l t									n		
1-11-81 24 104 NA 173 NA			CHOKE SIZE PRO	DD'N. FOR				r.			<u> </u>		
24-HOUR RATE 104 NA 173 ± 28.5° LIST OF ATTACHMENTS ample Descriptions Attached				>	104		NA		173		NA		
ented during Test LIST OF ATTACHMENTS ample Descriptions Attached DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) TEST WITNESSED BY DURYELL Karren	W. TUBING PRESS.	CASING PRESSURE	24-HOUR RATE		GAS-	MCF.	, ,	VATER-	-BBL.	OIL GRA	VITY-API (CORR.)		
Vented during Test LIST OF ATTACHMENTS Cample Descriptions Attached	Disposition on C.	s (Sold wood to the		104	N N	<u>A</u>		17			28.5°		
Cample Descriptions Attached			i, ventea, etc.)										
Sample Descriptions Attached					·				Durrell	Karr	ren		
. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records	Sample Descr	iptions Atta	ached								i v Bij		
	I hereby certify t	hat the foregoing a	nd attached informat	ion is comp	lete and corr	ect as	determined	from a	all available re	cords			
SIGNED Bobly Catrick TITLE Production Engineer - RMD DATE November 24, 1	SIGNED Bol	Bly Patris	ck	ritle Pr	<u>roductio</u>	n En	gineer	~ RI	1D DATE	Nov	vember 24, 1		

INSTRUCTIONS

General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments

should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

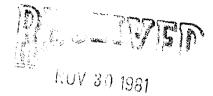
11em 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

FORMATION TOP		воттом	DESCRIPTION, CONTENTS, ETC.		T	0P
DST's run.	TOP	воттом	5-1/2" csg cmting - 3% Salt, 10# Gilsonite/sx & 1/4# Flocele/sx; followed by 460 sx 50-50 Pozmix w/2% Gel, 0.6% Halad-9 & 1/4# Flocele/sx. 5,282'-5,343' Breakdown - BD perfs w/750 gals 7-1/2% HCl plus additives & ball sealers. 5,403'-5,443' Fracture - Frac perfs w/	LOG TOPS Uintah Green River "G" Zone "H" Zone "I" Zone "J" Zone "K" Zone	Surface 2,852' 4,458' 4,652' 4,904' 5,172' 5,358'	OP TRUE VERT. DEPT
			30,000 gals Super K-1 plus 35,000# 20-40 sand & 13,100# 10-20 sand.	Driller TD Loggers TD	5,560' 5,559'	



910 Sixteenth Street. #522, Denver, Colorado 80202 (303) 393-8138



OIL, GAS & MIN

ENERGY RESERVES GROUP, INC. USA - BROADHURST NO. 20 SE NW SECTION 9 - T7S - R23E UINTAH COUNTY, UTAH

> GEOLOGIST: David Miller GX Consultants

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Lithology	

RESUME

OPERATOR:

Energy Reserves Group

WELL NAME & NUMBER:

USA Broadhurst #20

LOCATION:

SE NW Section 9 - T7S - R23E

COUNTY:

Uintah

STATE:

Utah

SPUD DATE:

August 27, 1981

COMPLETION DATE (TD):

September 8, 1981

ELEVATIONS:

5,124 'GL 5,136' KB

TOTAL DEPTH:

5,563' LOGS 5,563' DRLR

CONTRACTOR:

MGF Drilling Inc.

RIG:

#65

TYPE RIG:

National T-45

PUMPS:

#1 National K-500A #2 National C-250

GEOLOGIST:

David Miller

ENGINEER:

Harlan Collier - Merlin Norton

TOOL PUSHER:

Don Quick - Barry Waugh

TYPE DRILLING MUD:

Lightly Treated

MUD COMPANY:

Magcobar

MUD ENGINEER:

Rob Helbing

HOLE SIZES:

7-7/8" to 5,563'

CASING:

12¼" to 4,92' 8-5/8" to 492'

MUD LOGGING BY:

Melton Enterprises Inc.

TYPE UNIT:

Standard

CORE INTERVALS:

None

DST DEPTHS:

None

DST COMPANY:

--

RESUME (CONTINUED)

ELECTRIC LOGS BY:

Dresser Atlas

TYPE LOGS RUN:

Sonic-DIL-GR - 5,563' - 492'

GR - Density-CNL - 5,563' - 492'

LOGGING ENGINEER:

Dan Babcock

BOTTOM FORMATION:

Green River "K" Zone

WELL STATUS:

Awaiting Completion

SUMMARY AND CONCLUSIONS

Energy Reserves Group Inc.'s USA Broadhurst No. 20 in the Walker Hollow Field of the Uintah Basin was drilled to a total depth of 5,563' on September 9, 1981. The primary objective being hydrocarbon bearing zones in the H, K and J Zones of the Green River Formation.

The Green River Formation was topped at 2,852'. No significant gas shows were observed in the upper Green River Formation until a depth of 3,400'. The interval between 3,400' and 3,500' produced several gas shows ranging from 25 to 100 units above background. Drilling breaks through the interval were generally only moderate averaging 2.5 to 3 min/ft. and samples showed up to 30% Limestone with some fluorescence and solvent cut. Log evaluation showed generally poor porosity in the range of 5 to 7%.

A drill break from 3,680' to 3,700' averaging 1 min/ft. showed a good clean fine grained sand with high porosity (15 to 20%). This interval produced a hot wire show of 50 units (net 25 units over background). The sample showed some fluorescence with weak cut and trace oil stain from the Sandstones. No other shows were observed in the upper Green River Formation above the "G" Zone.

The Green River "G" Zone was drilled at 4,458'. This sand-shale sequence produced several good drilling breaks from sand with good porosity ranging from 12 to 17%. However no significant shows were observed throughout the zone.

The Green River "H" Zone was drilled at 4,652'. A very good show interval was recorded beginning at 4,695'. The first show producing drill break occurred from 4,700' to 4,718' with penetration rate averaging 1.5 min/ft. This interval produced a gas show of maximum 120 units. The sample showed good fluorescence from sands with some oil stain in nearly 30% of the sample. The sample also showed fair to good solvent cut sand porosity from 15 - 20%.

The next drill break from 4,708' to 4,742' averaged 2 min/ft. from fine to very fine Sandstones again showing fluorescence, solvent cut and some oil stain. This interval produced a maximum 110 units and porosity again ranged from 15 to 18%.

A smaller gas show of 60 units was produced from a drill break from 4,750' to 4,754'. Again the sample showed fluorescence, cut and oil stain.

Gas shows of 150, 200 and 200 units occurred from drill breaks at intervals 4,762' to 4,766', 4,771' to 4,776', and 4,786' to 4,792' respectively. Again these breaks produced generally fine grained Sandstones with good porosity, fluorescence and cut.

One additional gas show of 136 units occurred from a drill break averaging 1.5 min/ft. from 4,815' to 4,820'. Again the sample showed Sandstones with some fluorescence and cut as well as occasional

SUMMARY AND CONCLUSIONS (CONTINUED)

oil stain. Porosity again generally good.

The remainder of the "H" Zone showed no significant gas shows although drill breaks averaging 1.5 min/ft. were common from Sandstones with good porosity and some visual show.

The Green River "I" Zone was drilled at 4,904'. No significant gas shows were recorded. However drill breaks from 4,946' to 4,960' and 4,968' to 4,994' produced Sandstones with good porosity and some visual show.

The "J" Zone of the Green River Formation was drilled at 5,172'. The largest gas show produced 50 units from a Sandstone drilled at 5,326' to 5,333'. This sand showed slight fluorescence weak cut and trace of oil stain. Several other drilling breaks in the "J" Zone produced lesser gas shows which still produced some visual show. Breaks from 5,190' - 5,200', 5,228' - 5,236', 5,248' to 5,252' and 5,258' to 5,265' all showed slight visual show.

The "K" Zone was drilled at 5,358' and represents the bottom hole formation. Very good shows were recorded in the "K" Zone from moderately clean generally fine grained Sandstones with average porosity of 15%. The first gas show produced 35 units from the interval 5,386' - 5,391'. The Sandstone showed good fluorescence, fair cut and some oil stain. A drill break from 5,406 - 5,416' produced a maximum of 200 units with very good fluorescence, very good cut and abundant oil stain. Gas shows ranging from 70 to $1\overline{0}0$ units were produced from a Sandstone drilling break which averaged 1.5 min/ft. from 5,422' to 5,438'. Once again the Sandstone showed very good fluorescence and cut with abundant oil stain. A final show in the "K" Zone produced a gas increase to 120 units from the drilling break beginning at 5,446' continuing to 5,457'. Once again good fluorescence, cut and oil stain were prevalent in the Sandstone. The remainder of the "K" Zone produced no sample of gas shows and samples tended to become predominantly shales with occasional drilling breaks producing some Sandstones.

A zone of potential interest in the upper Green River above the "G" Zone as well as very good shows in the "H" and "K" Zones should make the Broadhurst No. 20 another successful producer in the Walker Hollow Field.

FORMATION TOPS

FORMATION	DEPTH	DATUM
Unitah	Surface	
Green River	2,852	+2,284
G Zone	4,458	+678
H Zone	4,652	+484
I Zone	4,904	+232
J Zone	5,172	- 36
K Zone	5,358	-222
Total Depth	5,563	-427

DAILY CHRONOLOGY

DATE	WOB	RPM	PP	SPM	EVENT
8-28-81	12-15	130	700	65	Spud-Run Surface
8-29-81	15-20	100-120	1,400	58	Finish CSG - Dril out.
8-30-81	15-20	120	1,350	58	Drilling and Trip Bit #3.
8-31-81	20-25	75	1,400	60	Drilling and Trip for Bit #4.
9-1-81	25	75	1,400	60	Drilling and Survey.
9-2-81	30	75	1,400	60	Drilling.
9-3-81	30	70	1,300	56	Drilling Trip for Bit #5.
9-4-81	30	70	1,350	58	Drilling.
9-5-81	30	70	1,350	58	Drilling and Survey.
9-6-81	32	70	1,350	58	Drilling Trip For Bit #6.
9-7-81	32	70	1,350	58	Finish trip and Drill.
9-8-81	32	70	1,350	58	Drilling to T.D. Log.

MUD RECORD

											M	IUDDĘ	D UP AT		_ ON	
1981 DATE	DEPTH	WT.	F.VIS.	P.VIS.	YIELD	GEL STRN1	PH	FILTR	CK.	ALKA.	SALT	CHLO	CALCIUM	GYP / SAND	SOLID/%WTR.	CUMULATIVE COST
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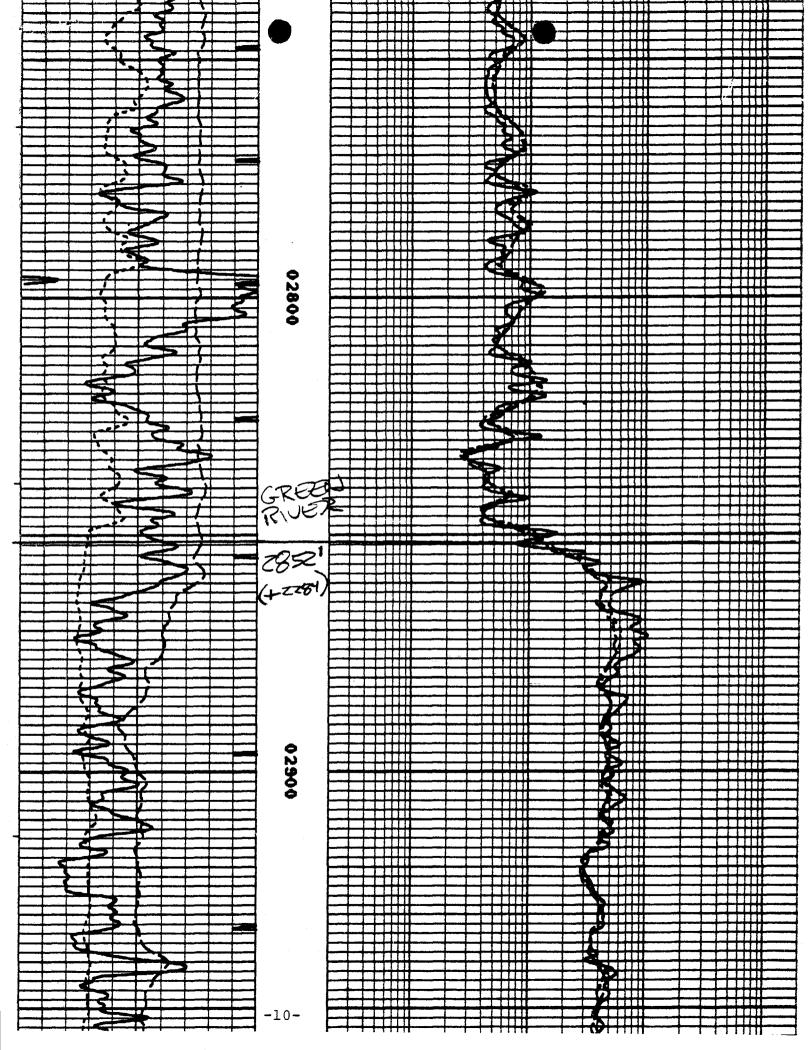
BIT RECORD

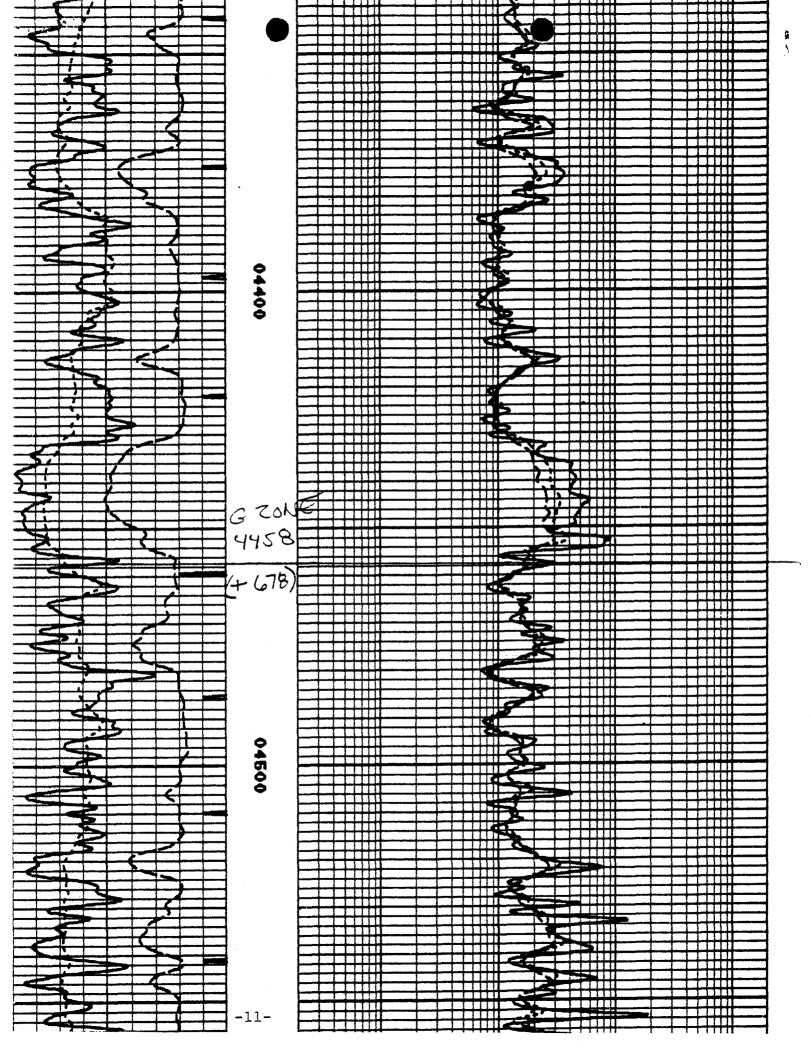
BIT NO.	MAKE	TYPE	SIZE	DEPTH IN	DEPTH OUT	FOOTAGE	HOURS
1	STC	DSJ	12¼	50	492	442	10
2	STC	DTJ	7-7/8	492	1,364	388	81/4
3	STC	DTJ	7-7/8	1,364	2,096	732	18
4	STC	F-2	7-7/8	2,096	3,565	1,469	65-3/4
5	STC	F-2	7-7/8	3,565	4,916	1,351	81¼
6	STC	F-2	7-7/8	4,916	5,563	647	

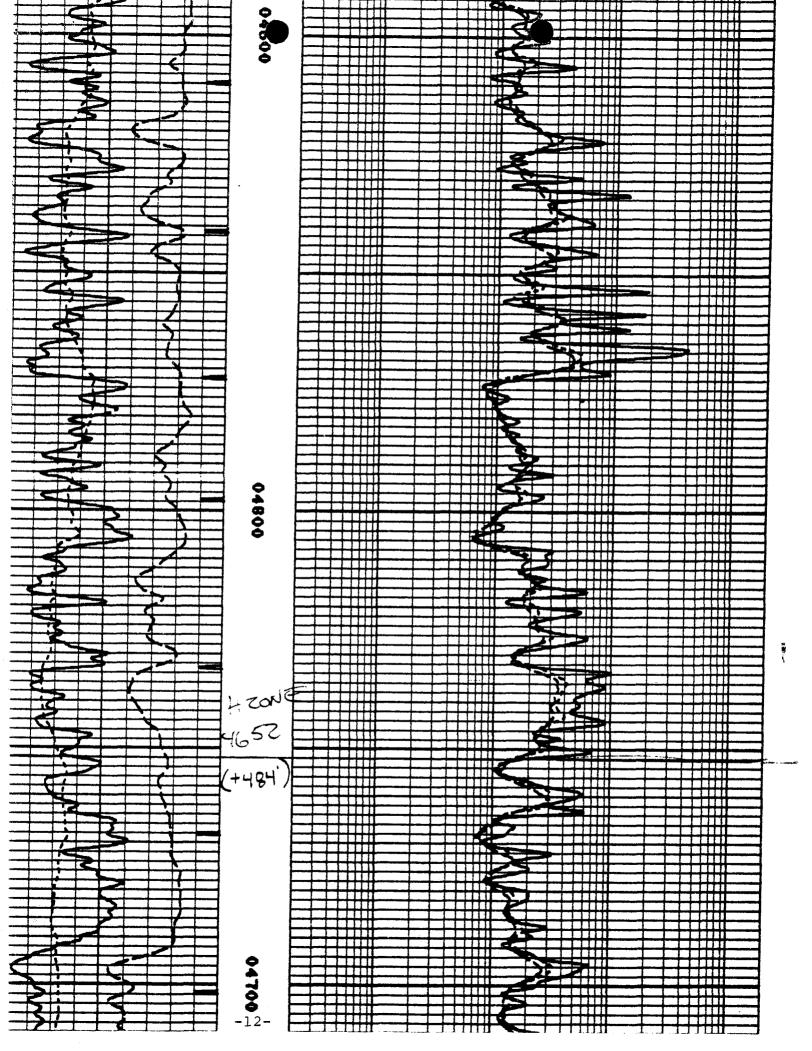
BROADHURST #20

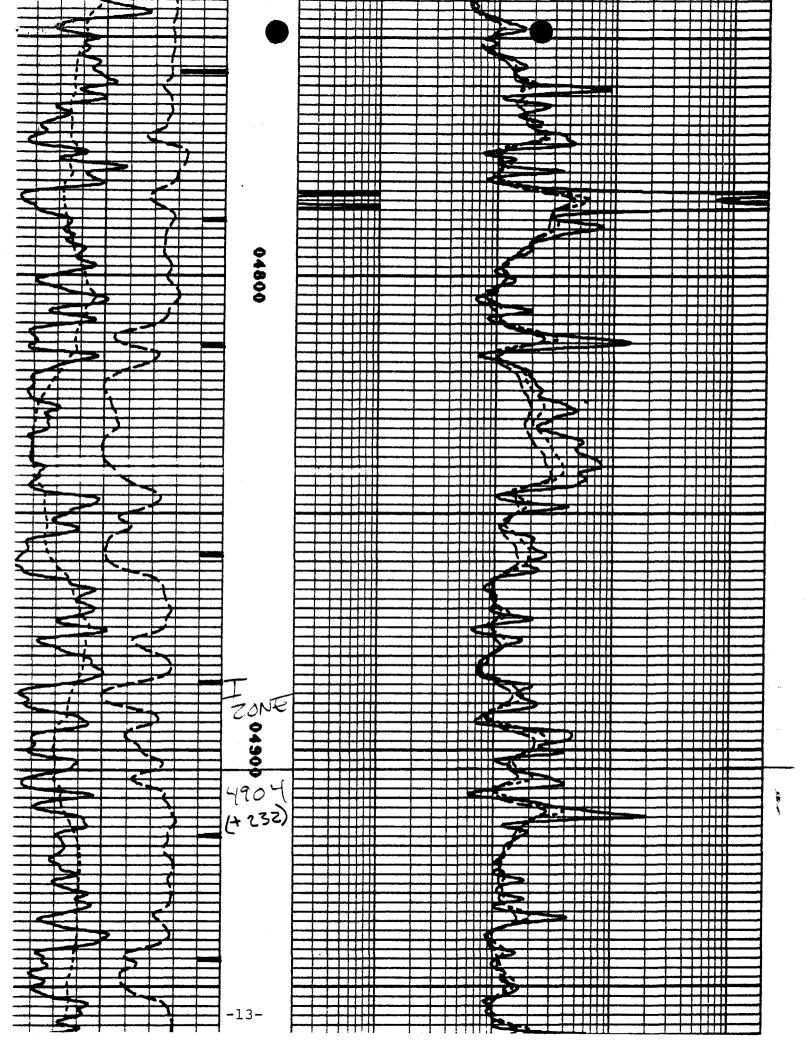
SURVEY RECORD

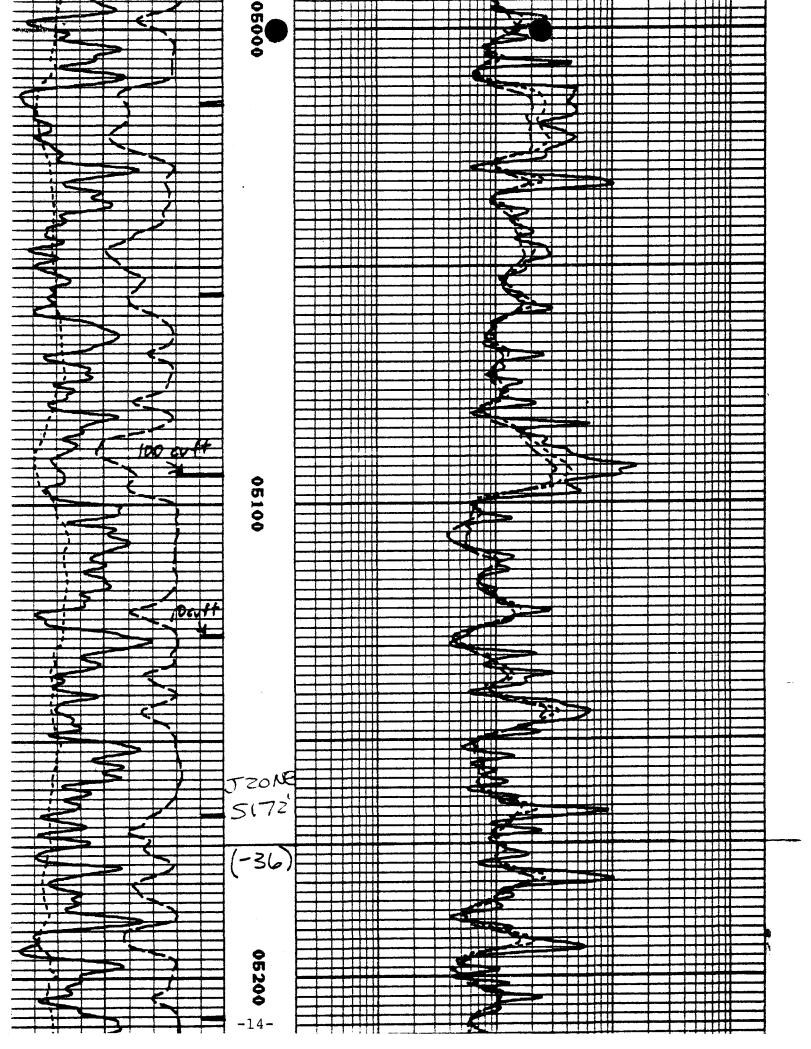
169	0°
293	3/4
386	1°
492	1°
693	3/49
1,364	3/49
1,860	120
2,096	140
2,614	120
3,109	1°
3,565	140
3,855	1°
4,354	1°
4,916	140
5,563	1°

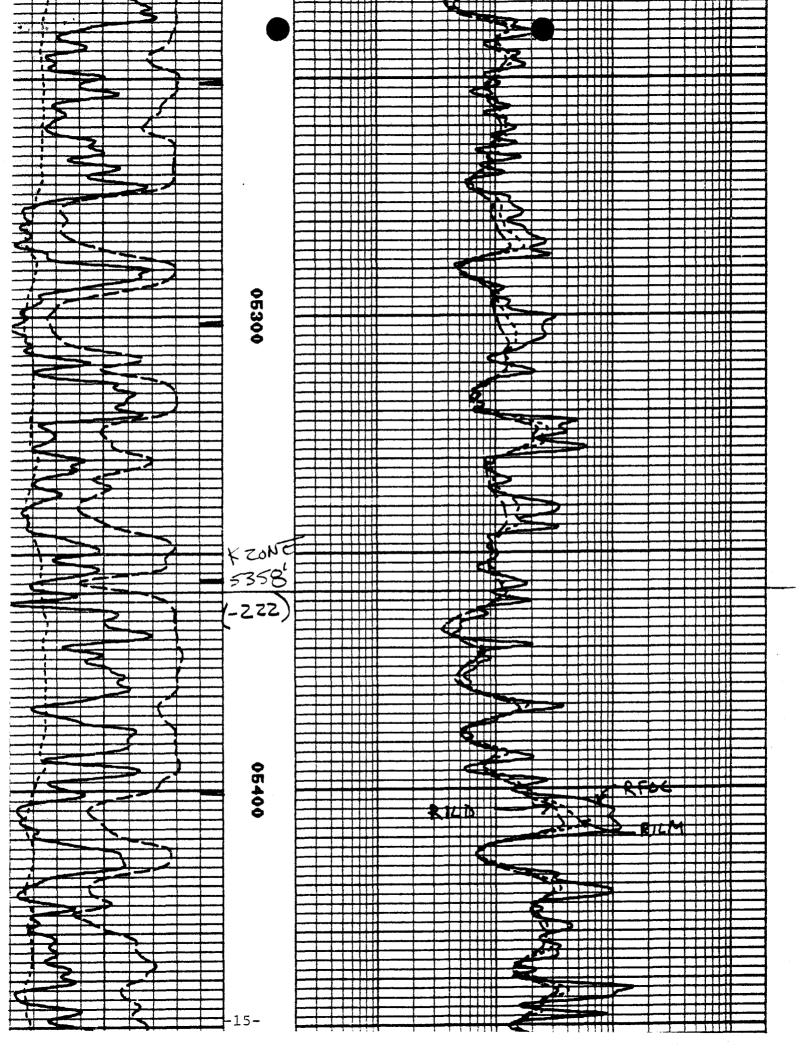












LITHOLOGY

- 4,500 4,540 SANDSTONE 20% lt gy, wh, fros, f gr, occ mgr, sbrd sbang, gen w srtd, w conds, frm, hd, tt, occ uncons, qtzc ip, calc cmt, slty, arg ip, NSFOC.

 SHALE 80% lt-m gy, gygn, br, rd br, bf, crm, plty blky, gen sft-v sft, occ frm, calc, slty ip, grading to SLST.
- 4,540 4,560 SANDSTONE 30% gen a/a, occ s and p, occ f \emptyset , NSFOC. SHALE 70% a/a.
- 4,560 4,610 SHALE 90% ltgy, gygn, bf, br, rdbr, tn, gen plty, blky ip, sft- v sft, occ frm calc, slty, occ grading to SLTST.

 SANDSTONE 10% gen lt gy, fros, s and p, occ lt br, f vf gr, occ m gr, sbrd sbang, gen w cons, w srtd, hd, tt, occ f Ø, tr oil stain and cut, qtzc ip.
- 4,610 4,670 SANDSTONE 40% ltgy, fros, s and p, occ ltbr, f gr, sbrd sbang, gen w srtd, w cons, frm, hd, tt, occ f Ø, qtzc, calc cmt, gen tr oil stain and fluor, occ f cut, tr pyr mod.

 SHALE 60% gygn, gn, bf, tn, br, rd br, plty blky, sft v sft, occ frm, calc, slty, grading to SLTST ip.
- 4,670 4,690 SHALE 90% gen a/a.
 SANDSTONE 10% gen a/a, occ cl, wh, fros.
- 4,690 4,700 SANDSTONE 30% ltgy, cl, fros, f gr, sbrd sbang, w srtd, mod- w cons, frm, hd, occ fri, gen tt, f Ø ip, sl v calc cmt, gen v clean, NSFOC.
- 4,700 4,770 SANDSTONE 30% 40% ltgy, fros, ltbr, bf, f gr, occ m gr, sbrd sbang, gen w srtd, w cons, occ p cons, fri, gen frm, hd, f Ø, qtzc calc cmt 20-30% yel fluor tr-f oil stain, slow milky cut.

 SHALE 60% pred rd br, rd, br, bf, tn, gy, gygn, plty, occ blky, gen v sft-sft, occ frm, calc, slty, grading to SLTST ip.
- 4,770 4,800 SANDSTONE 30% gen a/a occ uncons, m gr, NSFOC, occ stain.

 SHALE 70% gen a/a, less rd, rdbr, occ SLTST.
- 4,800 4,820 SANDSTONE 20% 1tgy, cl, fros, occ lt br, gen f gr, occ m c gr, sbrd sbang, w srtd, gen w cons, occ fri uncons ip, gen frm, hd, tt, occ f Ø, qtzc, call cmt, occ oil stain, occ yel fluor, wk cut.

 SHALE 80% pred rd, rdbr, gy, gy gn, plty-blky, v sft sft, occ frm, calc.
- 4,820 4,850 SANDSTONE 70% cl, fros, occ lt gy, gen f-vf gr, occ m gr, gen sbrd-sbang, occ rd, pred uncons, qtzc, occ m cons, w srtd w calc cmt NSFOC.

LITHOLOGY (CONTINUED)

m 10 m "

- 4,820 4,850 SHALE 30% gygn, gy, bf, tn, br, rd br, plty-blky, (CONTINUED) v sft-sft, occ frm, calc, occ slty, grading to SLTST.
- 4,850 4,870 SANDSTONE 40% cl, wh, fros, ltgy, occ s and p, occ lt br, gen f gr, occ m gr, sbrd-sbang, gen w srtd, mod-w cons, frm, hd, occ fri, occ uncons, gen tt, calc cmt, qtzc ip, slty tr fluor, occ stain, occ p cut.
- 4,870 4,940 SANDSTONE 20% gen a/a NSFOC.

 SHALE 80% gy, gygn, br, bf, sm rd, sm rdbr, plty blky, wxy ip, occ mott, calc, gen frm.
- 4,940 4,970 SANDSTONE 30% cl, wh, fros, ltgy, s and p ip, f gr, sb rd-sbang, gen w srtd, w cons, frm, hd, occ fri, calc cmt, qtzc ip.

 SHALE 70% ltgy, gygn, bf, tan, br rdbr, plty, blky, v sft-sft, frm-hd ip, calc, slty, occ grading to SLTST.
- 4,970 4,980 SANDSTONE 70% pred cl, fros, wh, ltgy, gen sbrd sbang, w srtd, w cons, frm, hd, calc cmt, qtzc, NSFOC F Ø.

 SHALE 30% gen a/a.
- 4,980 4,990 SANDSTONE 40% gen a/a.
 SHALE 60% pred lt-m gy, gygn, plty-blky, sft-frm, calc, slty.
- 4,990 5,010 SHALE 90% lt-mgy, gygn, br, tn, rdbr ip, plty-blky, sft-frm ip, calc, sl slty, occ grading to SLTST.

 SANDSTONE 10% pred ltgy, cl, wh, f-vfg, sbang-sbrd, gen w cons, frm, tt, calc cmt.
- 5,010 5,030 SANDSTONE 80% pred ltgy, s and p, gen f gr, sbrd-sbang, w srtd, mod cons, fr ip, gen tt, f Ø ip, calc cmt, qtzc, slty and arg ip, NSFOC.

 SHALE 20% gen a/a.
- 5,030 5,050 LIMESTONE 30 40% bf, tn, vf xln, hd, dns, n-vp Ø. SANDSTONE 10% pred ltgy a/a. SHALE 50% lt-mgy, gn, tn, br, blky, frm, hd, occ sft wxy, calc, slty ip.
- 5,050 5,080 SANDSTONE 80% c1, wh, fros, ltgy, fgr, sbrd sbang, w srtd, w cons, frm, hd, occ fri, qtzc, calc cmt, slty ip, NSFOC.

 SHALE 70% ltgy, gygn, bf, tn, br, rdbr, plty-blky, gen frm, calc, slty.
- 5,080 5,140 SHALE 90% pred a/a occ grading to SLTST. SANDSTONE 10% pred a/a, occ m gr, occ uncons, becoming dirty.
- 5,140 5,170 SANDSTONE 20% mgy, ltgy, fros, occ wh, f gr, sbrd sbang, w srtd, gen w cons, frm, occ fri, gen tt, occ f Ø, qtzc, slty, occ arg, NSFOC.

 LIMESTONE 30% bf, tn, crm, vf xln, hd, dns, occ fluor, n Ø, or cut.

LITHOLOGY (CONTINUED)

- 5,140 5,170 SHALE 50% pred ltgy, gygn, bf, tn, rd, rd br, plty-(CONTINUED) blky, gen frm, occ sft-v sft, calc, slty.
- 5,170 5,190 SANDSTONE 30% pred a/a NSFOC. SHALE 70% a/a.
- 5,190 5,200 SHALE 90% pred gy, gygn, bf, tn, plty-blky, frm, sft ip, calc occ SLTST.
- 5,200 5,220 SANDSTONE 30% ltgy, cl, wh, fros, bf ip, gen fgr, occ m gr, sbrd-sbang, gen mod w srtd, occ p srtd, w cons frm, occ fri, gen tt, occ f-g Ø, qtzc ip, calc cmt, occ uncons tr oil stain, 20% fluor, f cut. SHALE 70% lt-m gy, gygn, br, rdbr, bf tan, plty-blky, sft-frm, occ hd, calc, slty ip, occ SLTST.
- 5,220 5,300 SHALE 80 90% rd, rdbr, gy, gygn, rf tn, plty-blky ip, gen sft, occ frm, hd, calc, gen slty occ SLTST.

 SANDSTONE 10 20% cl, wh, fros, ltgy, s and p, occ lt br, gen f gr, occ mgr, pred w srtd, occ mod-p srtd, w cons, frm, hd, tt, occ uncons, qtzc, calc cmt NSFOC occ tr oil stain.
- 5,300 5,320 SANDSTONE 20% wh, ltgy, fros, cl ip, gen f or, occ m gr, pred sbrd-sbang, w srtd, w cons, hd, tt, occ Ø, occ uncons, qtzc, calc cmt slty, NSFOC.

 SHALE 80% gy, gygn, bf, br, rd br, plty-blky, gen frm, sft- v sft ip, calc, slty, occ 10 20% SLTST.
- 5,320 5,380 SANDSTONE 30 40% pred ltgy, s and p, cl, fros, occ lt br, pred f gr, sbrd-sbang, gen w srtd, wcons, frm, hd, tt, occ f Ø, occ uncons, qtzc, calc cmt.

 SHALE 60 70% pred lt gy, gygn, sm br, rd br, bf plty, blky, occ wxy, gen frm, sft lp, calc, sm SLTST ip.
- 5,380 5,390 SANDSTONE 60% pred ltgy, sm cl, wh, fros, occ s and p, occ lt br, fgr, sbrd-sbang, w srtd, mod cons, frm, f-g Ø, calc cmt, 30% fluor, f oil stain and cut. SHALE 40% gen a/a.
- 5,390 5,400 SHALE 90% lt-mgy, gygn, bf, br, rd br, pred plty and blky, frm, sft v sft ip, calc, slty.

 SANDSTONE 10% gen a/a NSFOC.
- 5,400 5,470 SANDSTONE 50 60% ltgy, wh, fros, s and p, cl, ltbr, gen f gr, occ mgr, sbrd-sbang, gen w srtd, mod cons, frm, fri ip, f-g Ø, slty ip, calc cmt vg fluor and cut, oil stain throughout.

 SHALE 40 50% rdbr, br, bf, lt-mgy, gygn, plty, blky, wxy ip, occ mott, gen sft-frm, occ slty, calc.
- 5,470 5,500 SHALE 80 90% gen a/a occ grading to SLTST. SANDSTONE 10-20% gen a/a NSFOC, f g \emptyset .

LITHOLOGY (CONTINUED)

* . * . " "

- 5,500 5,530 SANDSTONE 60% pred ltgy, sm wh, cl,fros, gen f gr, sbrd sbang, w srtd, mod cons, occ fri, gen g Ø, slty, calc cmt no cut, sm fluor, tr stain.
- 5,530 5,550 SANDSTONE 40% ltgy, wh, s and p ip, fros, fgr, sbrd sbang, w srtd, gen w cons, frm hd, tt, f Ø ip, calc cmt slty, occ arg, qtzc ip, NSFOC.

 SHALE 60% gen gy, lt gy, occ rd, rdbr, plty-blky, gen frm-hd, calc, slty.
- 5,550 5,560 SHALE 90% gen a/a.
 SANDSTONE 10% a/a NSFOC.



Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

January 5, 1982

Energy Reserves, Inc. Box 3280 Casper, Wyoming 82602

Re: See attached

Gentlemen:

Our records indicate that you have not filed the monthly drilling reports for the months indicated above on the subject wells.

Rule C-22, General Rules and Regulations and Rules of Practice and Procedure, requires that said reports be filed on or before the sixteenth (16) day of the succeeding month. This report may be filed on Form OGC-1B, (U. S. Geological Survey Form 9-331) "Sundry Notices and Reports on Wells", or on company forms containing substantially the same information. We are enclosing forms for your convenience.

Your prompt attention to the above will be greatly appreciated.

Very truly yours.

DIVISION OF OIL, GAS AND MINING

Cari Furse Clerk Typist Well No. Broadhurst #18 Sec. 9, T. 7S, R. 23E Uintah County, Utah (July 1981- November 1981)

Well No. Broadhurst #19
Sec. 9, T. 7S, R. 23E
Uintah County, Utah
(October 1981- November 1981)

Well No. Broadhurst #20 Sec. 9, T. 7S, R. 23E Uintah County, Utah (October 1981- November 1981)

Well No. Broadhurst #11 Sec. 10, T. 7S, R. 23E Uintah County, Utah (May 1981- November 1981)



Scott M. Matheson, Governor Temple A. Reynolds, Executive Director Cleon B. Feight, Division Director

4241 State Office Building • Salt Lake City, UT 84114 • 801-533-5771

February 19, 1982

Energy Reserves Group, Inc. P. O. Box 3280 Casper, Wyoming 82602

Re: Well No. Broadhurst #20 Sec. 9, T. 7S, R. 23E Uintah County, Utah

Gentlemen:

According to our records, a "Well Completion Report" filed with this office November 24, 1981, from above referred to wells, indicates the following electric logs were run: Compensated Densilog/Neutron; Dual Induction & Acoustilog. As of todays date, this office has not received these logs.

Rule C-5, General Rules and Regulations and Rules of Practice and Procedure, requries that a well log shall be filed with the Commission together with a copy of the electric and radioactivity logs.

Your prompt attention to the above will be greatly appreciated.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cari Furse Clerk Typist

orm/3160-5 November 1983) (Formerly 9-331)

TEST WATER SHUT-OFF

FRACTURE TREAT

REPAIR WELL

SHOOT OR ACIDIZE

DEPARTMENT OF THE INTERIOR (Other Instructions on re-

BUREAU OF LAND MANAGEMENT

PULL OR ALTER CASING

MULTIPLE COMPLETE

ABANDON*

CHANGE PLANS

SUBMIT IN TRIPL

Form approved. Budget Bureau No. 1004-0135 Expires August 31, 1985

5. LEASE DESIGNATION AND SERIAL NO.

REPAIRING WELL

ALTERING CARING

U-	02	65	1-4	A
U	U 4	\mathbf{v}	1 4	

		1 U-02031-A
(Do not use this form for propo Use "APPLIC.	ICES AND REPORTS ON WELLS sale to drill or to deepen or plug back to a different reservoir. ATION FOR PERMIT— for such proposals.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
OIL GAS OTHER	AECEIVED	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR Energy Reserves Group.	Inc. JUN 0 3 1985	8. FARM OR LEASE NAME USA Pearl Broadhurst
3. ADDRESS OF OPERATOR		9. WBLL NO.
P. O. Box 3280 Casper	Wyoming 82602 DIVISION OF OIL	
4. LOCATION OF WELL (Report location of See also space 17 below.) At surface	Elearly and in accordance with any State GAS & MINING	Walker Hollow Field 11. SEC., T. E., M., OR BLK. AND SURVEY OF AREA
14. PERMIT NO.	15. ELEVATIONS (Show whether DF, RT, GR, etc.)	Section 9 TIS-RIE 12. COUNTY OR PARISH 13. STATE
16. Check A	ppropriate Box To Indicate Nature of Notice, Report, o	Uintah Utah r Other Data

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.) (Other) Consolidate Tank Batteries 17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)

Energy Reserves Group, Inc. is proposing to consolidate the five existing tank batteries to one central tank battery to be located at the USA Pearl Broadhurst #1 present tank battery site. The location of the central tank battery site and the additional flowlines are shown on the attached topo map. All of the additional flowlines required will be in existing pipeline routes and will be insulated surface lines, so there should not be any additional surface disturbances. The entire lease has already had archaeological clearance. The present #1 Broadhurst Tank Battery already has the required tank storage, additional heater treaters will have to be moved to the present #1 battery.

WATER SHUT-OFF

FRACTURE TREATMENT

SHOOTING OR ACIDIZING

18. I hereby certify that the foregoing is true and correct SIGNED Bobby Patrick	TITLE _	Petroleum Engineer	DATE 5-31-85	<u>-</u>
(This space for Federal or State office use) APPROVED BY CONDITIONS OF APPROVAL, IF ANY:	TITLE _	·	DATE	<u> </u>

Energy Reserves Group USA Pearl Broadhurst Lease Walker Hollow Field Vintal Co., Utah Reported Central: Taxa Bottery Site The flowline routes shown above are the proposed routes from the existing = latteries to the #1 Ecentral Jank Battery Site. The proposed routes are on existing pipeline routes and the flowlines shown above are the additional blowlines that are required,

913 North Foster Road Post Office Box 3280 Casper, Wyoming 82602 Telephone (307) 265-7331 Fax (307) 266-1999

RECEIVED

OCT 2 4 1985

JIVISION OF OIL GAS & MINING

September 17, 1985



Division of Oil, Gas, and Mining 3 Triad Center, Suite 350 Salt Lake City, UT 84180-1203 Broadwest #20 75.23E 9 Unitable.

Re: Corporate name change, ENERGY RESERVES GROUP, INC.

Gentlemen:

By authority of the enclosed copies and affidavit, please change your records to reflect the change of the name of ENERGY RESERVES GROUP, INC. to BHP Petroleum (Americas) Inc. for all former ERG operations in Utah.

Affected leases and numbers are as follows:

USA Pan American Federal Lease #81-06579 (Utah entity #00220) USA Pearl Broadhurst Federal Lease #U-02651-A (Utah entity #00225)

Roosevelt Unit - Wasatch Federal Lease #I-109-IND-5248 and I-109-IND-5242 (Utah entity #00221)

If further information is needed, please contact me at the letterhead address or telephone number.

Thank you for your assistance.

BHP Petroleum (Americas) Inc.

Dale Belden District Clerk

Rocky Mountain District

DB/mz

Enclosure

GENERAL ATLANTIC

RESOURCES, INC.

CERTIFIED MAIL - RETURN RECEIPT REQUESTED

June 14, 1993

DECENVED JUN 1 7 1993

State of Utah Oil & Gas Conservation Commission Three Triad Center, Suite 350 355 West North Temple Salt Lake City, Utah 84180-1203

DIVISION OF OTHER BASE MINITED

RE: Change of Operator Sundry Notices and Reports on Wells

Gentlemen:

By Assignment dated April 30, 1993, effective January 1, 1993, General Atlantic Resources, Inc. ("GARI") purchased the interests of BHP Petroleum (Americas) Inc., Hamilton Brothers Oil Company, Hamilton Brothers Exploration Company and The Norwegian Oil Corporation (DNP-U.S.) collectively ("BHP"), in the properties referenced on the enclosed forms. BHP was the designated operator of said properties, resigning effective May 1, 1993. GARI has been acting as the operator in the interim while balloting was being conducted to determine the successor operator.

GARI has been named successor operator. Enclosed are executed forms for your review and approval reflecting this change. In the event you have questions or concerns relative to this transfer of operatorship, please contact Jim Lee Wolfe, Vice President of Operations or the undersigned at the letterhead address and/or call (303) 573-5100. Thank you for your timely attention in this matter.

Very truly yours,

GENERAL ATLANTIC RESOURCES, INC.

Lýnn D. Becker, CPL

Landman

Enclosures

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

SUNDRY NOTICES AND REPORTS ON WELLS (Do not use this form for proposals to drill or to despen or plus back to a different reservoir. Use "APPLICATION FOR PERMIT"" for such proposals. OTHER SEE NAME OF OPERATOR SAME OF OPERATOR ADDRESS OF OPERATOR SAME OF OPERATOR SAME OF OPERATOR ADDRESS OF OPERATOR SEE LOCATION OF PERMIT SAME ADDRESS OF OPERATOR ADDRESS OF OPERATOR SEE LOCATION OF PERMIT SAME ADDRESS OF OPERATOR AT SUBJECT TO SHOW A STATE TO SHOW THE PERMIT SAME OF OPERATOR AT SUBJECT TO SHOW A STATE SAME OF	ASE DESIGNATION	SERIAL NO.
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Carl Lable Kundaton (VI Con	DATE 427/	 13
(This space for Federal or State office use)		
APPROVED BY TITLE	DATE	

LEASE	WELL#	API NUMBER
USA Pearl Broadhurst	1 — Sec 9 T75 R DE 2 — 10 4 — 9 5 — 10 6 — 9 7 — 9 8	
USA Pan American	$ \begin{array}{ccccccccccccccccccccccccccccccccccc$	- 43-047-30939 43-047-30940 43-047-30941 43-047-31025 2£ 43-047-15682 43-047-15683 43-047-15684 43-047-15686 43-047-15687 43-047-15688 43-047-15689 43-047-15690 43-047-15691
Roosevelt Unit Wasate		43-047-31254 43-047-31366 43-047-31402 43-047-31445 43-047-31500 43-047-31845

UNITED STATES DEPARTMENT OF THE INTERIOR

FORM APPROVED Budget Bureau No. 1004-0135 Expires: March 31, 1993

WELLS try 100 de lenu reservoir.	USA U-02651-A 6. If Indian, Allottee or Tribe Name

SEP 2 0 1993	7. If Unit or CA, Agreement Designation
DIVISION OF DIL, GAS & MINING	8. Well Name and No. 20 (see Pearl Broadhurst exhib
0202 (303) 573-5100	(see att. exhibit A) 10. Field and Pool, or Exploratory Area
	Uintah County, Utah
TURE OF NOTICE, REPOF	RT, OR OTHER DATA
TYPE OF ACTION	
Repair (Casing Change of operator	Change of Plans New Construction Non-Routine Fracturing Water Shut-Off Conversion to Injection Dispose Water those Report results of multiple completion on Well Completion or Recompletion Report and Log form;
1	DIVISION OF OIL, GAS & MINING 30202 (303) 573-5100 ast TURE OF NOTICE, REPOR

On May 1, 1993 General Atlantic Resources, Inc. took over operations of the referenced well from BHP Petroleum (Americas) Inc.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by General Atlantic Resources, Inc. under their nationwide bond, BLM bond number C01023. They will be responsible for compliance under the lease terms and conditions for that portion of the lease associated with this notice.

12	ERNAL DIST. NG. 233 :	21083	ari Geografia	1993
E.	s			
PI	et			
A.	М			

		A.M.		
14. I hereby certify that the foregoing is true and correct Signed	Title _	Lynn D. Becker Landman	Date _	August 20, 1993
(This space for Foderal or State office use) Approved by Maria (A) (ONLY MARIA Conductions of approval, if any	Title _	ASSISTANT DISTRICT MANAGER MINERALS	Date _	SEP 1 0 1993

Givisionwof	0il,	Gas	and	Mining	
OPERATOR	CHAN	GE	HORE	SHEET	

(PAGE 3 01)

Routing:

account no. NO390

Attach all documentation received by the division regarding this change.

Initial each listed item when completed. Write N/A if item is not applicable.

OCC Change of Operator (well sold)

Designation of Agent

Operator Name Change Only

The operator of the well(s) listed below has changed (EFFECTIVE DATE: 5-1-93)

TO (new operator) GENERAL ATLANTIC RES INC (address) 410 17TH ST #1400 (address) DENVER, CO 80202 LYNN BECKER, LANDMAN phone (303) 573-5100

TO (new operator) GENERAL ATLANTIC RES INC (address) BHP PETROLEUM/AMERICAS INC (address) 6847 SAN FELIPE #3600 HOUSTON, TX 77057 CARL KOLBE (713) 780-5301 phone (713) 780-5245

Well(s) (attach additional page if needed):

account no. N 0910

Name:BROADHURST #16/GRRV	API: 43-047-30903 Entity: 225	Sec <u>10 Twp7s Rng23E</u> Lease Type: <u>U02651A</u>
Name:BROADHURST #17/GRRV	API: 43-047-30905 Entity: 225	Sec <u>10</u> Twp <u>7S</u> Rng <u>23E</u> Lease Type: "
Name:BROADHURST #18/GRRV	API: 43-047-30939 Entity: 225	Sec <u>9</u> Twp <u>7S</u> Rng <u>23E</u> Lease Type: "
Name :PEARL BH #19/GRRV	API: 43-047-30940 Entity: 225	Sec <u>9 Twp7s Rng23E</u> Lease Type:"
Name:BROADHURST #20/GRRV	API: 43-047-30941 Entity: 225	Sec <u>9</u> Twp <u>7S</u> Rng <u>23E</u> Lease Type:
Name:BROADHURST #21/GRRV	API: 43-047-30942 Entity: 225	Sec <u>9 Twp.7S Rng23E</u> Lease Type:
Name:PEARL BH #22/GRRV	API: 43-047-31025 Entity: 225	Sec <u>10 Twp7S Rng23E</u> Lease Type: <u>"</u>

OPERATOR CHANGE DOCUMENTATION

- 1. (Rule R615-8-10) Sundry or other <u>legal</u> documentation has been received from <u>former</u> operator (Attach to this form). (Legal legal)
- 2. (Rule R615-8-10) Sundry or other <u>legal</u> documentation has been received from <u>new</u> operator (Attach to this form). (Lect (s.17.93)
- 3. The Department of Commerce has been contacted if the new operator above is not currently operating any wells in Utah. Is company registered with the state? (yes/no) _____ If yes, show company file number: #92898____.
- 4. (For Indian and Federal Wells ONLY) The BLM has been contacted regarding this change (attach Telephone Documentation Form to this report). Make note of BLM status in comments section of this form. Management review of Federal and Indian well operator changes should take place prior to completion of steps 5 through 9 below.
- fit 5. Changes have been entered in the Oil and Gas Information System (Wang/IBM) for each well listed above. (9-38-93)
- 100 6. Cardex file has been updated for each well listed above. (4-28-93)
- Lee 7. Well file labels have been updated for each well listed above. (9-28-43)
- 8. Changes have been included on the monthly "Operator, Address, and Account Changes" memo for distribution to State Lands and the Tax Commission. (9-28-93)
- 9. A folder has been set up for the Operator Change file, and a copy of this page has been placed there for reference during routing and processing of the original documents.

`FORM 10

(12/93)

STATE OF UTAH

DIVISION OF OIL, GAS AND MINING

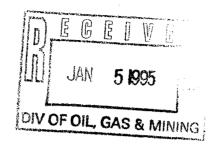
355 West North Temple, 3 Triad, Suite 350, Salt Lake City, UT 84180-1203

Page 2 of 2

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:		UTAH ACCOUNT NUMBER:N0910									
APRIL LAHNUM GENERAL ATLANTIC RES INC 410 17TH ST STE 1400			REPORT PERIOD (MONTH/YEAR): 12 / 94								
DENVER CO 80202		AMENDED REPORT (Highlight Changes)									
Well Name	Producing	Well	Days	<u> </u>	Production Volumes						
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)					
BROADHURST #17 4304730905 00225 07S 23E 10	GRRV			402651-A							
✓BROADHURST #18 4304730939 00225 075 23E 9 ✓PEARL BROADHURST 19	GRRV			и							
4304730940 00225 07S 23E 9	GRRV			11							
4304730941 00225 07S 23E 9 BROADHURST #21	GRRV			Į i							
4304730942 00225 07S 23E 9	GRRV			il							
PEARL BROADHURST 22 04731025 00225 075 23E 10	GRRV			1(
USA PEL Brdhrst #2 43-047-15693 00225 75 23E 10	GPLV-	- www		**							
USA PEARL BROADHUIST 5 <u>43049-15695 09141 7523E 10</u>	WSTC-	WIW		ė t							
(4	GREV -	TAZ									
						·····					
	·										
			TOTALS								
COMMENTS:											
COMMENTS:			7.7.4								
											
hereby certify that this report is true and complete to	the best of m	y knowledge.		Da	te:						
Name and Signature:		· · · · · · · · · · · · · · · · · · ·		Т	elephone Number:						

UMC Petroleum Corporation



January 23, 1995

State of Utah Division of Oil, Gas and Mining 3 Triad Center, #350 Salt Lake City, Utah 84180-1203

Re: Change of Operator

Gentlemen,

On November 15, 1994, General Atlantic Resources, Inc. merged into UMC Petroleum Corporation. Enclosed please find a copy of the certificate of merger as well as State of Utah Form 9 with an attachment listing all wells and their locations.

UMC Petroleum Corporation will be operating these wells effective January 1, 1995. If there are any questions or you require additional information, please contact the undersigned at (303) 573-4732.

Sincerely,

UMC PETROLEUM CORPORATION

April J.M. Lahnum

Production Technician

ajml

{LETTERS/utah}

STATE OF UTAH DIVISION OF OIL, GAS AND MININ

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NGIDI		. =	voQF			1
	JAN	<u>(</u> 3	133	S. L.	ASE	DE

	S. LEASE DESIGNATION & SERIAL NO.
	MUTH02651A
SUNDRY NOTICES AND REPORTS	ON WELLS - GIL GAS & MIFNOUN ALLOTTEE OR TRIBE NAME
(Do not use this form for proposals to drill or to deepen or plu Use "APPLICATION FOR PERMIT—" for	
L OIL GAS OTHER	7. UNIT AGREEMENT NAME
2. NAME OF OPERATOR	8. FARM OR LEASE NAME
UMC Petroleum Corporation	USA Pearl Broadhurst
J. ADDRESS OF OPERATOR	9. WELL NO.
410 17th Street, Suite 1400, Denver, CO	
See also space 17 below.)	TO. FIELD AND FOOL, OR WILDCA!
(see attached exhibit A) At proposed prod. zone Sections 9 and 10, T7S, R	Green River
At proposed prod. zone Sections 9 and 10, 175, K	SURVEY OR AREA
	Sec 9 & 10, T7S, R23E
14. API NO. 15. ELEVATIONS (Show whethe	
(see att. exhibit A)	Uintah UT
Check Appropriate Box To Indicate	e Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
TEST WATER SHUT-OFF PULL OR ALTER CASING	WATER SHUT-OFF REPAIRING WELL
FRACTURE TREAT MULTIPLE COMPLETE	FRACTURE TREATMENT ALTERING CASING
SHOOT OR ACIDIZE ABANDON	SHOOTING OR ACIDIZING ABANDONMENT*
REPAIR WELL CHANGE PLANS	(Other) Change of Operator (Note: Report results of multiple completion on Well
(Other)	Completion or Recompletion Report and Log form.)
APPROX. DATE WORK WILL START	DATE OF COMPLETION
perfinent to this work.)	* Must be accompanied by a cement verification report.
Corporation. (See enclosed certificate	Resources, Inc. merged into UMC Petroleum of merger.)
UMC Petroleum Corporation will begin ope	erating the referenced lease on January 1, 1995
Bond coverage for lease activities is be their nationwide bond, BLM bond number I	eing provided by UMC Petroleum Corporation under 301843.
18. I hereby certify that the speeping i true and correct	April J.M. Lahnum
SIGNED ASSISTED TITLE I	Production Technician DATE January 20, 1995
(This space for Federal or State office use)	
APPROVED BY TITLE CONDITIONS OF APPROVAL, IF ANY:	DATE

GENERAL ATLANTIC RESOURCES, INC. - Well Location Report Report Date: 01-18-1995 - Page 1 Reporting Field WALKER HOLLOW

EXHIBIT "A"

Utah Production	PRAMS I.D.	Company Identification #	State I.D.#	API Number	Lease Name/Number	Formation	Qtr/Qtr	Sec.	Тwр.	. Rge	County	Operator
WALKER HOLLOW Field												
PEARL BROADHURST #1	PEARL1	UT-017-01-001	00225	43-047-15692-00	UTU02651A	GREEN RIVER	NESE	9	7s	23F	UINTAH	GAR I - BHP
PEARL BROADHURST #10	PEARL10	UT-017-01-009	00225	43-047-30839-00	UTU02651A	GREEN RIVER	NWSW	9	7s		UINTAH	GARI-BHP
PEARL BROADHURST #11	PEARL11	UT-017-01-010	00225	43-047-30840-00	UTU02651A	GREEN RIVER	NWNE	10			UINTAH	GARI-BHP
PEARL BROADHURST #12	PEARL12	UT-017-01-011	00225	43-047-30841-00		GREEN RIVER	NWNW	10			UINTAH	GARI-BHP
PEARL BROADHURST #13	PEARL13	UT-017-01-012	00225	43-047-30842-00	UTU02651A	GREEN RIVER	NENE	9	7S		UINTAH	GARI-BHP
BROADHURST #14	PEARL14	UT-017-01-013	00225	43-047-30904-00		GREEN RIVER	SENE	ó	7s		UINTAH	
PEARL BROADHURST #15	PEARL15	UT-017-01-014	00225	43-047-30901-00		GREEN RIVER	SESE	9	7S		UINTAH	GARI-BHP
PEARL BROADHURST #16	PEARL16	UT-017-01-015	00225	43-047-30903-00		GREEN RIVER	NWSW	10			UINTAH	GARI-BHP
PEARL BROADHURST #17	PEARL17	UT-017-01-016	00225	43-047-30905-00		GREEN RIVER	SENW	10			UINTAK	GARI-BHP GARI-BHP
PEARL BROADHURST #18	PEARL18	UT-017-01-017	00225	43-047-30939-00		GREEN RIVER	NWNE	9	7S		UINTAH	GARI-BHP
PEARL BROADHURST #19	PEARL19	UT-017-01-018	00225	43-047-30940-00		GREEN RIVER	NWNE	9	7s		UINTAH	GARI-BHP
/PEARL BROADHURST #2 (いん)	PEARL2	UT-017-01-002	00225	43-047-15693-00		GREEN RIVER	SWNW	10	7S		UINTAH	
PEARL BROADHURST #20	PEARL20	UT-017-01-019	00225	43-047-30941-00		GREEN RIVER	SESW	9	7S		UINTAH	GARI-BHP
PEARL BROADHURST #21	PEARL21	UT-017-01-020	00225	43-047-30942-00		GREEN RIVER	SESW	-	7s		UINTAH	GARI-BHP
PEARL BROADHURST #22	PEARL22	UT-017-01-021	00225	43-047-31025-00		GREEN RIVER	SESW	10			UINTAH	GARI-BHP
PEARL BROADHURST #4	PEARL4	UT-017-01-003	00225	43-047-15694-00	UTU02651A	GREEN RIVER	SWSE		7S		UINTAH	GARI-BHP
/PEARL BROADHURST #5 (いん)	PEARL5A	UT-017-01-004	00225	43-047-15695-00		GREEN RIVER	SWSW	10			UINTAH	GARI-BHP
PEARL BROADHURST #6	PEARL6	UT-017-01-005	00225	43-047-30705-00		GREEN RIVER	NESW	9	7S		UINTAH	GARI-BHP
PEARL BROADHURST #7	PEARL7	UT-017-01-006	00225	43-047-30730-00		GREEN RIVER	SWSW	•	7s		UINTAH	GARI-BHP
PEARL BROADHURST #8	PEARL8	UT-017-01-007	00225	43-047-30696-00		GREEN RIVER	NESW		7S		UINTAH	GARI-BHP
PEARL BROADHURST #9	PEARL9	UT-017-01-008	00225	43-047-30787-00		GREEN RIVER	NENW	10			UINTAH	GARI-BHP
							aran	10	13	CJE.	CINIAN	GARI-BHP

State of Delaware

Office of the Secretary of State

PAGE 1

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF
DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT
COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"GENERAL ATLANTIC RESOURCES, INC.", A DELAWARE CORPORATION, WITH AND INTO "UMC PETROLEUM CORPORATION" UNDER THE NAME OF "UMC PETROLEUM CORPORATION", A CORPORATION ORGANIZED AND EXISTING UNDER THE LAWS OF THE STATE OF DELAWARE, AS RECEIVED AND FILED IN THIS OFFICE THE FIFTEENTH DAY OF NOVEMBER, A.D. 1994, AT 11:10 O'CLOCK A.M.

Lawy of the state of the state

Edward J. Freel, Secretary of State

DATE:

AUTHENTICATION:

7306080

11-17-94

2257442 8100M

944221473

STATE OF DELAWARE SECRETARY OF STATE DIVISION OF CORPORATIONS FILED 11:10 AM 11/15/1994 944219417 - 2257442

CERTIFICATE OF MERGER

OF

GENERAL ATLANTIC RESOURCES, INC., A DELAWARE CORPORATION

AND

UMC PETROLEUM CORPORATION, A DELAWARE CORPORATION

UMC Petroleum Corporation, a Delaware corporation, certifies that:

- 1. <u>Constituent Corporations</u>. The constituent business corporations participating in the merger herein certified are:
- (a) General Atlantic Resources, Inc., which is incorporated under the laws of the State of Delaware; and
- (b) UMC Petroleum Corporation, which is incorporated under the laws of the State of Delaware.
- 2. Approval of Agreement and Plan of Merger. An Agreement and Plan of Merger dated as of August 9, 1994 ("Agreement and Plan of Merger"), has been approved, adopted, certified, executed and acknowledged by each of the aforesaid constituent corporations in accordance with the provisions of Section 251 of the General Corporation Law of the State of Delaware.
- 3. <u>Surviving Corporation</u>. The surviving corporation (the "<u>Surviving Corporation</u>") in the merger herein certified is UMC Petroleum Corporation, a Delaware corporation.
- 4. <u>Certificate of Incorporation</u>. The certificate of incorporation of UMC Petroleum Corporation, a Delaware corporation, shall be the certificate of incorporation of the Surviving Corporation, except that Article 4 thereof is hereby amended and restated in its entirety as follows:
 - 1. Authorized Shares. The total authorized capital stock of the corporation shall consist of Common Stock. The aggregate number of shares of Common Stock that the corporation shall have authority to issue is three thousand (3,000) with the par value of one cent (\$.01) per share.
- 5. Agreement and Plan of Merger on File. The executed Agreement and Plan of Merger is on file at the principal place of business of the Surviving Corporation, the address

of which as of the date hereof is as follows:

1201 Louisiana Street Suite 1400 Houston, Texas 77002

6. Copies of Agreement and Plan of Merger. A copy of the Agreement and Plan of Merger will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of any of the aforesaid constituent corporations.

IN WITNESS WHEREOF, the undersigned has executed this Certificate of Merger on behalf of UMC Petroleum Corporation on this 15th day of November, 1994.

UMC PETROLEUM CORPORATION, a Delaware corporation

By:

Name:

John B. Brock

Title:

President and Chief Executive Officer

Attest:

By:

Name:

Title:

Marya Ingram

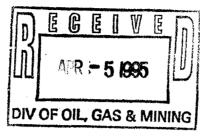
Corporate Secretary

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office P.O. Box 45155 Salt Lake City, Utah 84145-0155

IN REPLY REFER TO: 3100 U-02651A et al (UT-923)



MAR 2 4 1995

NOTICE

UMC Petroleum Corporation 1201 Louisiana, Suite 1400 Houston, Texas 77002-5603 Oil and Gas

U-02651A, U-51411,

U-55626, U-58530

Merger Recognized

:

Acceptable evidence has been filed in this office concerning the merger of General Atlantic Resources, Inc. into UMC Petroleum Corporation with UMC Petroleum Corporation being the surviving entity.

For our purposes, the merger is recognized effective November 15, 1994.

The oil and gas lease files identified above have been noted as to the merger. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice.

A rider to UMC's bond (BLM Bond No. NM1773) assuming the liability accrued under General's bond (BLM Bond No. CO1023) was accepted effective March 7, 1995, the date the rider was filed.

/s/ ROBERT LOPEZ

Chief, Branch of Mineral Leasing Adjudication

bc:

Vernal District Office

Moab District Office

MMS—Data Management Division, MS 3113, P.O. Box 5860, Denver, CO 80217

UT-922 (Teresa Thompson)

Lisha Cordova, State of Utah, Division of Oil, Gas, and Mining, 3 Triad Center, Suite 350, Salt Lake City, Utah 84189-1204

June 1990) DEPARTM	NITED STATES ENT OF THE INTERIOR F LAND MANAGEMENT	FORM APPROVED Budget Buresu No. 1004-0135 Expires: March 31, 1993 5. Lease Designation and Serial No.
Do not use this form for proposals to	drill or to deepen or reentry to a different reservoir. OR PERMIT—" for such proposals	6. If Indian, Allottee or Tribe Name
SUBM	IIT IN TRIPLICATE	7. If Unit or CA, Agreement Designation
I. Type of Well	RECEIVED	UTU02651A
Well Well Other 2. Name of Operator	MAR 2 0 1995	8. Well Name and No.
UMC Petroleum Corporation		Pearl Broadhurst
3. Address and Telephone No.		(see attachment)
410 17th Street, Suite 1400,		10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Surve	y Description)	Walker Hollow II. County or Parish, State
(see attachment)		Uintah, UT
12. CHECK APPROPRIATE BO	X(s) TO INDICATE NATURE OF NOTICE, REPOR	T, OR OTHER DATA
TYPE OF SUBMISSION	TYPE OF ACTION	·
Notice of Intent	Abundonment	Change of Plans
_	Recompletion	New Construction
Subsequent Report	Plugging Back	Non-Routine Fracturing
	Casing Repair	Water Shut-Off
Final Abandonment Notice	Altering Casing Change of Operator	Conversion to Injection Dispose Water
	Car Ould Street, Stree	(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)
On November 15, 1994, General (See enclosed certificate of Bond coverage pursuant to 43 Petroleum Corporation under compliance under the lease twith this notice.	CFR 3104 for lease activities is being their nationwide bond, B01843. They wi erms and conditions for that portion of ssociated with the referenced agreement	provided by UMC 11 be reponsible for the lease associated number, their location, VENTERISE 1200
14. I hereby certify this the foregoing is true sight correct Signed	April J.M. Lahnum Production Technician	E.S. OHE/IGAS & MINING A.M. Date March 15, 1995
(This space for Federal of Webfit) up	Tide	APR 0 6 1995
Approved by	THE	

	State I.D.#	API Number	Lease Name/Number	Formation	Qtr/Qtr	Sec.	Twp.	Rge	County
Utah Production									
WALKER HOLLOW Field									
PEARL BROADHURST #1	00225	43-047-15692-00	UTU02651A	GREEN RIVER	NESE	9	7s	23E	UINTAH
PEARL BROADHURST #10	00225	43-047-30839-00	UTU02651A	GREEN RIVER	NWSW	9	7s	23E	UINTAH
PEARL BROADHURST #11	00225	43-047-30840-00	UTU02651A	GREEN RIVER	NWNE	10	7S	23E	UINTAH
PEARL BROADHURST #12	00225	43-047-30841-00	UTU02651A	GREEN RIVER	NWNW	10	7S	23E	UINTAH
PEARL BROADHURST #13	00225	43-047-30842-00	UTU02651A	GREEN RIVER	NENE	9	7s	23E	UINTAH
PEARL BROADHURST #14	00225	43-047-30904-00	UTU02651A	GREEN RIVER	SENE	9	7S	23E	UINTAH
PEARL BROADHURST #15	00225	43-047-30901-00	UTU02651A	GREEN RIVER	SESE	9	7s	23E	UINTAH
PEARL BROADHURST #16	00225	43-047-30903-00	UTU02651A	GREEN RIVER	NWSW	10	7s	23E	UINTAH
PEARL BROADHURST #17	00225	43-047-30905-00	UTU02651A	GREEN RIVER	SENW	10	7s	23E	UINTAH
PEARL BROADHURST #18	00225	43-047-30939-00	UTU02651A	GREEN RIVER	NWNE	9	7s	23E	UINTAH
PEARL BROADHURST #19		43-047-30940-00	UTU02651A	GREEN RIVER	NWNE	9	7s	23E	UINTAH
PEARL BROADHURST #2	00225	43-047-15693-00	UTU02651A	GREEN RIVER	SWNW	10	7s	23E	HATRIU
PEARL BROADHURST #20	00225	43-047-30941-00	UTU02651A	GREEN RIVER	SESW	9	7S	23E	UINTAH
PEARL BROADHURST #21		43-047-30942-00	UTU02651A	GREEN RIVER	SESW	9	7 S	23E	UINTAH
PEARL BROADHURST #22		43-047-31025-00	UTU02651A	GREEN RIVER	SESW	10	7s	23E	UINTAH
PEARL BROADHURST #4	00225	43-047-15694-00	UTU02651A	GREEN RIVER	SWSE	9	7 S	23E	UINTAH
PEARL BROADHURST #5	00225	43-047-15695-00	UTU02651A	GREEN RIVER	SWSW	10	7s	23E	HATMIU
PEARL BROADHURST #6	00225	43-047-30705-00	UTU02651A	GREEN RIVER	NESW	9	7s	23E	HATHIU
PEARL BROADHURST #7	00225	43-047-30730-00	UTU02651A	GREEN RIVER	SWSW	9	7s	23E	HATRIU
PEARL BROADHURST #8	00225	43-047-30696-00		GREEN RIVER	NESW	10	7s	23E	HATRIU
PEARL BROADHURST #9	00225	43-047-30787-00	UTU02651A	GREEN RIVER	NENW	10	7\$	23E	UINTAH

	n of Oil, Gas and Mining FOR CHANGE HORKSHEET				Rout jog:
	all documentation received each listed item when comp	•	•	able.	2-LWF 7-SJ / 3-PFF 8-PL / 4-VLC_9-FFFE
	nge of Operator i <mark>gnation of Ope</mark> rator	(MERGER)	Designation of Operator Name (5-RJF V 6-LWP
The op	erator of the well(s)	listed below has	changed (EFFEC	TIVE DATE:11	-15-94)
TO (ne		ST STE 1400 80202 NUM (915)683-3003 3 > 573-5100	FROM (former	(address) 410 173 DENVER APRIL 1 phone	CO 80202
Name: Name: Name: Name: Name: Name:) (attach additional page i **SEE ATTACHED**	API: <u>43047.3094</u> API: API: API: API:	Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:Entity:	_ SecTwpRng_ _ SecTwpRng_ _ SecTwpRng_ _ SecTwpRng_	Lease Type: Lease Type: Lease Type: Lease Type:
Lec 1.	OR CHANGE DOCUMENTATIO (Rule R615-8-10) Sun operator (Attach to to the R615-8-10) Sund (Attach to this form)	dry or other <u>le</u> his form). [f _{ec}] - ry or other <u>lega</u> l	79-75 /		
	The Department of Com operating any wells i yes, show company file	n Utah. Is comp	pany registered	with the state?	(yes/no) If
	(For Indian and Fede (attach Telephone Do comments section of changes should take p	this form. Manag	gement review o	of F ederal and L	ndian well operator
<u>LC</u> 5.	Changes should take proceed the Changes have been ento	ered in the Oil a	nd Gas Informa	tion System (Wang	/IBM) for each well
_	Cardex file has been u				•
1 7.	Well file labels have	been updated for	each well list	ed above. 4-18-93	•
	Ch <mark>anges have been inc</mark> for <mark>distribution to</mark> St	ate Lands and the	e Tax Commissio	n. (4-6-95)	
ر وی <u>ر</u> ا	A folder has been set placed there for refer	up for the Opera	ator Change fil	e, and a copy of ing of the origin	this page has been al documents.

UNED

Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes no) (If entity assignments were changed, attach copies of Form 6, Entity Action Form). NA 2. State Lands and the Tax Commission have been notified through normal procedures or entity changes. BOND VERIFICATION (Fee wells only)	ENTITY	REVIEH
BOND VERIFICATION (Fee wells only) May 1. (Rule R615-3-1) The new operator of any fee lease well listed above has furnished in proper bond. 2. A copy of this form has been placed in the new and former operators' bond files. 3. The former operator has requested a release of liability from their bond (yes/no)	II.	(Rule R615-8-7) Entity assignments have been reviewed for all wells listed above. Wer entity changes made? (yes no) (If entity assignments were changed, attach copies o
Mile Rel15-3-1 The new operator of any fee lease well listed above has furnished proper bond. 2. A copy of this form has been placed in the new and former operators' bond files. 3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19 If yes, division response was made by letter dated 19 of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such notification has been requested.	N/A 2.	
2. A copy of this form has been placed in the new and former operators' bond files. 3. The former operator has requested a release of liability from their bond (yes/no)	BOND VI	ERIFICATION (Fee wells only)
3. The former operator has requested a release of liability from their bond (yes/no) Today's date 19 If yes, division response was made by letter dated 19 LEASE INTEREST OWNER NOTIFICATION RESPONSIBILITY 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated 19, of their responsibility to notify any represent with an interest in such lease of the change of operator. Documentation of such notification has been requested. 1. Copies of documents have been sent to State Lands for changes involving State leases. FILMING 1. All attachments to this form have been microfilmed. Date: 1995. FILING 1. Copies of all attachments to this form have been filed in each well file. 2. The original of this form and the original attachments have been filed in the Operator Change file. COMMENTS 950131 Ly, UCF5 (7) Wells. 950131 Ly, UCF5 (7) Wells. 950131 Ly, UCF5 (1) Wells.	NA/1.	(Rule R615-3-1) The new operator of any fee lease well listed above has furnished a proper bond.
LEASE INTEREST OHNER NOTIFICATION RESPONSIBILITY 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated	2.	A copy of this form has been placed in the new and former operators' bond files.
(A) 1. (Rule R615-2-10) The former operator/lessee of any fee lease well listed above has been notified by letter dated	3.	Today's date 19 If yes, division response was made by letter
notified by letter dated	LEASE I	NTEREST OWNER NOTIFICATION RESPONSIBILITY
FILMING 1. All attachments to this form have been microfilmed. Date:	TS.	notified by letter dated 19, of their responsibility to notify any person with an interest in such lease of the change of operator. Documentation of such
1. All attachments to this form have been microfilmed. Date:	<u>/1-</u> 2.	Copies of documents have been sent to State Lands for changes involving State leases.
1. All attachments to this form have been microfilmed. Date:	FILMING	
1. Copies of all attachments to this form have been filed in each well file. 2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file. COMMENTS 950131		All attachments to this form have been microfilmed. Date: May 2 1995.
2. The <u>original</u> of this form and the <u>original</u> attachments have been filed in the Operator Change file. COMMENTS 950131 leg. UIC F5 (2) wells. 9502 Trust Lands Admin. "accepted merger".	FILING	
COMMENTS 950131 Reg. UIC F5 (27 Webls. 9502 Trust Lands Admin. "a recipled merger".	1.	Copies of all attachments to this form have been filed in each well file.
950131 Reg. UIC F5 (27 Wells. 9502 Trust Lands admin. "accepted merger".		
9502 Trust Lands admin. "a resplect merger".	COMMENT	S
9502 Trust Lands admin. "arcipted merger".	950131	leg. 410 F5 (27 Wells.
	9502	17431 Long 2 447111. 41 Ci pray 1101 931 .

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WE71/34-35

SION OF OIL, GAS AND MINING 1594 West North Temple, Suite 1210, PO Box 145801, Selt Lake City, UT 84114-5801

Page 1 of 2

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS:		UTAH ACCOUNT NUMBER:N9215				
LORETTA A MURPHY UMC PETROLEUM CORPORATION PO BOX 549			REPO.	RT PERIOD (MONTH/	_{/YEAR):} 6 / 98	
NEWCASTLE WY 82701-054	19		AME	NDED REPORT (H	ighlight Changes)	
'ell Name	Producing	Well	Days		Production Volumes	
Pl Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
USA PEARL BROADHURST #1 4304715692 00225 075 23E 9	GRRV			U-02651-A		
USA PEARL BROADHURST #4 4304715694 00225 075 23E 9 BROADHURST #8	GRRV			U-02651-A		
4304730696 00225 07S 23E 10 BROADHURST #6	GRRV			ч		
4304730705 00225 075 23E 9 BROADHURST #7	GRRV			11		
4304730730 00225 07S 23E 9	GRRV					
BROADHURST #9 	GRRV			U-02651 U-02651-A		
ARL BROADHURST 10 4304730839 00225 075 23E 9 PEARL BROADHURST 11	GRRV					
4304730840 00225 07S 23E 10 PEARL BROADHURST #12	GRRV			(1)		•
4304730841 00225 07S 23E 10 PEARL BROADHURST #13	GRRV					
4304730842 00225 07S 23E 9 BROADHURST #15	GRRV			41		
4304730901 00225 07S 23E 9 BROADHURST #16	GRRV	<u>-</u>		<i>u</i>		
4304730903 00225 075 23E 10 BROADHURST #17	GRRV			(1		
4304730905 00225 075 23E 10	GRRV					
			TOTALS			
MMENTS:	17					
				·		- Adv
ereby certify that this report is true and complete to	the best of my	y knowledge).	Date	e:	
ne and Signature:				Te	elephone Number:	
(P3)						

Page 2 of 2

MONTHLY OIL AND GAS PRODUCTION REPORT

OPERATOR NAME AND ADDRESS: LORETTA A MURPHY UMC PETROLEUM CORPORATION PO BOX 549			UTAH ACCOUNT NUMBER: N9215 REPORT PERIOD (MONTH/YEAR): 6 / 98					
Well Name	Producing	Well	Days		Production Volumes			
API Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)		
BROADHURST #18 4304730939 00225 07S 23E 9	GRRV			11-02651-A				
PEARL BROADHURST 19 4304730940 00225 075 23E 9	GRRV			u ,				
BROADHURST #20 4304730941 00225 075 23E 9	GRRV			(1				
BROADHURST #21 4304730942 00225 07S 23E 9	GRRV			11				
PEARL BROADHURST 22 4304731025 00225 07S 23E 10	GRRV	<u>.</u>		(1				
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			Ĺ					
			TOTALS					
OMMENTS:								
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			<u> </u>		· · · · · · · · · · · · · · · · · · ·			
hereby certify that this report is true and complete to	the best of my	knowledge.	•	Dat	e:			
lame and Signature:				Te	elephone Number:			



United States Department of the Interior

BUREAU OF LAND MANAGEMENT Utah State Office P.O. Box 45155

Salt Lake City, UT 84145-0155

JUL 23 1998 DIV. OF OIL, GAS & MINING

In Reply Refer To: 3100 U-02651A et al (UT-932)

7,111 2 1 1998

NOTICE

Ocean Energy, Inc. 1201 Louisiana, Suite 1400 Houston, TX 77002-5603 (713)654-9110

Oil and Gas: 4U-02651A, U-09712A, U-020691A, U-8894A, U-8895A, U-8897A, U-40401, U-64058

Merger Recognized

Acceptable evidence has been filed in this office concerning the merger of UMC Petroleum Corporation into Ocean Energy, Inc. with Ocean Energy, Inc. being the surviving entity.

For our purposes, the merger is recognized effective May 15, 1998, the effective date set by the New Mexico State Office.

The oil and gas lease files identified above have been noted as to the merger. The list was compiled from your list of leases, and a list of leases obtained from our Automated Land and Mineral Record System (ALMRS). We have not abstracted the lease files to determine if the entity affected by the merger holds an interest in the leases identified nor have we attempted to identify leases where the entity is the operator on the ground maintaining no vested record title or operating rights interests. We are notifying the Minerals Management Service and all applicable Bureau of Land Management offices of the change by a copy of this notice. If additional documentation for changes of operator are required by our Field Offices, you will be contacted by them.

By recognition of the merger, the principal is automatically changed by operation of law from UMC Petroleum Corporation to Ocean Energy, Inc. on Bond No. BO1843 (BLM Bond No. NM1773). A rider amending the principal's name from UMC Petroleum Corporation to Ocean Energy, Inc. has been filed in the New Mexico State Office, examined, and found to be satisfactory.

> ROBERT LOPEZ Robert Lopez Group Leader, Minerals Adjudication Group

Moab District Office CC:

Vernal Field Office

MMS-Reference Data Branch, MS 3130, P.O. Box 5860, Denver, CO 80217 State of Utah, DOGM, Attn: Lisha Cordova (Ste. 1210) P.O. Box 145801, SLC, UT 84114



September 2, 1998

Lisha Cordova Utah Department of Natural Resources Division of Oil, Gas and Mining 1594 West North Temple, Suite 1210 Salt Lake City, Utah 84114-5801

SEP 3 1998

DIV OF OIL, GAS & MINING

RE:

Merger of UMC Petroleum Corporation and Ocean Energy, Inc.

Pearl Broadhurst #2, #4, #5 & #14.

Dear Ms. Cordova:

Effective April 1, 1998, UMC Petroleum Corporation merged with Ocean Energy, Inc. Effective June 30, 1998, all onshore wells were transferred to its wholly owned subsidiary, Ocean Energy Resources, Inc. Enclosed is the requested UIC Form 5's for the subject change of operation for the original merger and the subsequent re-organization in June 30 1998. All wells previously operated by UMC Petroleum in Utah are now operated by Ocean Energy Resources, Inc.

There has been no change in personnel with whom you are already familiar. Furthermore, the address for all notices, revenues and remittances, notifications and general correspondence remains the same:

Ocean Energy, Resources, Inc. 410 17th Street, Suite 1400 Denver, Colorado 80202

Please distribute this notice to any other applicable departments within your organization that should be aware of this change.

If you have any questions, please feel free to contact the undersigned at (303) 573-4721.

Sincerely,

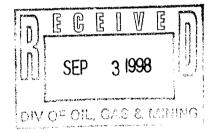
Scott M. Webb Regulatory Coordinator



SECRETARY OF STATE

Ils Secretary of State. of the State of Louisiana, I do hereby Certify that

the annexed and following is a True and Correct copy of a Merger as shown by comparison with document filed and recorded in this Office on March 27, 1998.



In testimony whereof, I have hereunto set my hand and caused the Seal of my Office to be affixed at the City of Balon Rouge on,

April 17) 1998

1 411 1_

CGR

Secretary of State



CERTIFICATE OF MERGER

of UMC Petroleum Corporation, a Delaware corporation into Ocean Energy, Inc., a Louisiana corporation

Pursuant to Section 112 of the Louisiana Business Corporation Law (the "LBCL"), Ocean Energy, Inc., a Louisiana corporation ("OEI"), hereby adopts the following Certificate of Merger regarding the merger (the "Merger") of UMC Petroleum Corporation, a Delaware corporation ("UMCPC" and, together with OEI, the "Constituent Corporations"), with and into OEI, with OEI as the surviving corporation (the "Surviving Corporation").

- 1. Ocean Energy, Inc., a Louisiana corporation, and UMC Petroleum Corporation, a Delaware corporation, are the parties to the Merger.
- 2. The Agreement and Plan of Merger, dated March 27, 1998 (the "Merger Agreement"), has been approved, adopted, certified, executed and acknowledged by the Constituent Corporations in accordance with Section 112 of the LBCL.
 - 3. The Merger is effective at 3:02 p.m., Central Standard Time, on March 27, 1998.
 - 4. The name of the Surviving Corporation shall be Ocean Energy, Inc.
- 5. Article III of the Articles of Incorporation of Ocean Energy, Inc. is amended in connection with the Merger to increase the authorized capital of the Surviving Corporation and, as a result of the amendment, Article III shall be and read as follows: The aggregate number of shares which the corporation shall have authority to issue is 3,000 shares without par value, all of which shares shall be of one class and shall be designated as Common Stock. The Articles of Incorporation of the Surviving Corporation as amended by the amendment to Article III shall be its articles of incorporation.
- 6. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1201 Louisiana, Suite 1400, Houston, Texas 77002.
- 7. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any shareholder of UMC Petroleum Corporation or Ocean Energy, Inc., the parties to the Merger.

This Certificate of Merger is dated this 27th day of March, 1998.

OCEAN ENERGY, INC.

Name: Robert K. Reeve

Title: Executive Vice President,

General Counsel and Secretary

STATE OF TEXAS

3

COUNTY OF HARRIS

3

BEFORE ME, the undersigned authority, personally came and appeared Robert K. Reeves, who being duly sworn, declared and acknowledged before me that he is the Executive Vice President, General Counsel and Secretary of Ocean Energy, Inc., a Louisiana corporation, and acknowledged to me that he was authorized to and executed the foregoing Certificate of Merger of UMC Petroleum Corporation into Ocean Energy, Inc. in such capacity for the purposes therein expressed, and as his, and said corporation's free act and deed.

IN WITNESS WHEREOF, the said appearer, witnesses and I, notary, have hereunto affixed our hands on this 27th day of March, 1998 at Houston, Texas.

WITINES?

Robert K. Reeves

NOTARY PUBLIC State of Texas Comm. Exp. 09-19-20

Notary Public in and for the State of Texas

-3-

State of Delaware Office of the Secretary of State PAGE

I, EDWARD J. FREEL, SECRETARY OF STATE OF THE STATE OF DELAWARE, DO HEREBY CERTIFY THE ATTACHED IS A TRUE AND CORRECT COPY OF THE CERTIFICATE OF MERGER, WHICH MERGES:

"UMC PETROLEUM CORPORATION", A DELAWARE CORPORATION,
WITH AND INTO "OCEAN ENERGY, INC." UNDER THE NAME OF "OCEAN
ENERGY, INC.", A CORPORATION ORGANIZED AND EXISTING UNDER THE
LAWS OF THE STATE OF LOUISIANA, AS RECEIVED AND FILED IN THIS
OFFICE THE TWENTY-SEVENTH DAY OF MARCH, A.D. 1998, AT 12:22

Edward J. Freel, Secretary of State

AUTHENTICATION: 9012828

DATE: 04-06-98

2257442 8100M

981130659

O'CLOCK P.M.

STATE OF DELAWARE SECRETARY OF STATE DIVISION OF CORPORATIONS FILED 12:22 PM 03/27/1998 981119273 - 2257442

CERTIFICATE OF MERGER

Merger of UMC Petroleum Corporation, a Delaware corporation
With and Into
Ocean Energy, Inc., a Louisiana corporation

Pursuant to the Provisions of Section 252 of the Delaware General Corporation Law, the undersigned certifies as follows concerning the merger (the "Merger") of UMC Petroleum Corporation, a Delaware corporation, with and into Ocean Energy, Inc., a Louisiana corporation (together with UMC Petroleum Corporation, the "Constituent Corporations"), with Ocean Energy, Inc. as the surviving corporation (the "Surviving Corporation").

- 1. The Agreement and Plan of Merger, dated March 27, 1998 (the "Merger Agreement"), has been approved, adopted, certified, executed and acknowledged by the Constituent Corporations in accordance with Section 252 of the Delaware General Corporation Law.
- 2. The Merger contemplated in the Merger Agreement and this Certificate of Merger will be effective at 3:02 p.m., Central Standard Time, on March 27, 1998.
 - 3. The name of the Surviving Corporation shall be Ocean Energy, Inc.
- 4. Article III of the Articles of Incorporation of Ocean Energy, Inc. is amended in connection with the Merger to increase the authorized capital of the Surviving Corporation and, as a result of the amendment, Article III shall be and read as follows: The aggregate number of shares which the corporation shall have authority to issue is 3,000 shares without par value, all of which shares shall be of one class and shall be designated as Common Stock. The Articles of Incorporation of the Surviving Corporation as amended by the amendment to Article III shall be its articles of incorporation.
- 5. The executed Merger Agreement is on file at the principal place of business of the Surviving Corporation, 1201 Louisiana, Suite 1400, Houston, Texas 77002.
- 6. A copy of the Merger Agreement will be furnished by the Surviving Corporation, on request and without cost, to any stockholder of UMC Petroleum Corporation or Ocean Energy, Inc.
- 7. The Surviving Corporation may be served with process in the State of Delaware in any proceeding for enforcement of any obligation of the Constituent Corporations, as well as for enforcement of any obligation of the Surviving Corporation arising from the Merger, including any suit or other proceeding to enforce the right of any stockholder as determined in appraisal proceedings pursuant to the provisions of Section 262 of the Delaware General Corporation Law, and the Surviving Corporation does hereby irrevocably appoint the Secretary of State of

HOU04:83924.3

Delaware as its agent to accept service of process in any such suit or other proceedings. The address to which a copy of such process shall be mailed by the Secretary of State of Delaware is c/o Ocean Energy, Inc., 1201 Louisiana, Suite 1400, Houston, Texas 77002, Attention: Secretary, until the Surviving Corporation shall have hereafter designated in writing to the Secretary of State of Delaware a different address for such purpose.

Dated this 27th day of March, 1998.

OCEAN ENERGY, INC

Name: Robert K. Reeves

Title: Executive Vice President,

General Counsel and Secretary

Division of Oil, Gas and Mining

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OPERATOR CHANGE WORKSHEET

Attach all documentation received by the division regarding this change. Initial each listed item when completed. Write N/A if item is not applicable.

Routing /	
1-112/14	6-LECKR/
2-GL/12	7-KAS /
3-075 16	8-SI I
4-VI-DCDW	9-FILE
5-JRD	

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	inge of Opera	tor (well sold) perator		gnation of A rator Name C	_	,		
The ope	rator of the w	ell(s) listed belov	v has changed, et	fective: _4	-1-98 (M	ERGER)		
TO: (ne	ew operator) (address)	OCEAN ENERGY PO BOX 549 NEWCASTLE WY		FROM: (o	ld operator) (addres			ORATION 1-0549
		Phone: (307) 74 Account no. N3					(307)746-40 no. N9215	52
WELL((S) attach addition	onal page if needed:						
Name: Name: Name: Name: Name: Name:				Entity: Entity: Entity: Entity:	SSSSSSSSSSS	T R T R T R T R T R T R		
OPERA	TOR CHAN	IGE DOCUMEN	NTATION					
<u>Lec</u> 1.	(r649-8-10) form). (fee	Sundry or other le	gal documentation	on has been r	eceived from	the FORME	R operator (att	ach to thi
Jec 2.	(r649-8-10) form). (f	Sundry or other	legal documenta	ation has bee	n received fr	om the NEW	operator (Att	ach to this
Lee 3.	wells in Uta	tment of Commond.h. Is the compan	x registered wit	ntacted if the h the state?	new operato (yes/no)	or above is no If yes, sho	t currently ope w company fil	
Lec 4.	note of BLN	AN AND FEDER M status in commould ordinarily ta below.	nents section of t	his form. B	LM approval	of Federal a	nd Indian we	ll operator
HC 5.	17-31-98/	ve been entered in ** WIC Quattre thas been updated	E. DBASE			270) for each	well listed abo	ve.
Chola.		oels have been up				<i>,</i>)		
<u>Lec</u> 8.	Changes have	e been included o ds, Sovereign La	n the monthly "C	perator, Add	ress. and Acc	count Change	s" memo for d	istributior
<u>lec</u> 9.	A folder has	s been set up for ring routing and	the Operator C	Change file,	and a copy o		as been placed	i there for

- OVER -

2/93)

Page 2 of 2

MONTHLY OIL AND GAS PRODUCTION REPORT

MONTHLY	IL AN	D GA	5 PKU	DUCTION K	EPOKI	
OPERATOR NAME AND ADDRESS:			UTA	H ACCOUNT NUMBER	N3220	
LORETTA A MURPHY OCEAN ENERGY INC			REPO	ORT PERIOD (MONTH)	/ _{YEAR):} 12 / 98	
PO BOX 549 NEWCASTLE WY 82701-054	+9		AME	NDED REPORT□ (H	ighlight Changes)	
ell Name	Producing	Well	Days	1	Production Volumes	
Pl Number Entity Location	Zone	Status	Oper	OIL(BBL)	GAS(MCF)	WATER(BBL)
BROADHURST 18 4304730939 00225 075 23E 9 PEARL BROADHURST 19	GRRV			U-02661-A		
4304730940 00225 07S 23E 9	GRRV			U-02651-A		
BROADHURST 20 4304730941 00225 075 23E 9 BROADHURST 21	GRRV	<u></u>		U-02651-A		
4304730942 00225 075 23E 9	GRRV			U-02651-A		
PEARL BROADHURST 22 4304731025 00225 07S 23E 10	GRRV			U-02651-A		
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						· · · · · · · · · · · · · · · · · · ·
						
		<u></u>				
			TOTALS			
MMENTS:						
eacoy certify that this report is true and complete to	the best of m	v knowledce		Dat	e;	
ne and Signature:	and control III)	, KIIO WICKE	•			
in and digitative			<u> </u>		elephone Number:	····

DIVISION OF OIL, GAS AND MINING

			LEASE DESIGNAT	
			U-025651-A	
(Do not use this form for	NOTICES AND REPORTS C r proposals to drill or to deepen or plug ba APPLICATION FOR PERMIT—" for such	ick to a different reservoir.		TEE OR TRIBE NAME
OIL XX WELL OT	HER		1. UNIT AGREEMEN	LNAME
2. NAME OF OPERATOR			8. FARM OR LEASE	NAME
Ocean Energy Resou	rces, Inc.		USA Pearl B	roadhurst
•	Suite 1400, Denver, Colora		9. WELL NO. 20	
See also space 17 below.)	tion clearly and in accordance with any State requi		Walker Hol	Iow Field
At proposed prod. zone	700 THE & 1570 THE 5E		II. SEC. T. R. M. O SURVEY OF	
			9 -7S-R23E	
14. API NO. 43. BA7. 309	15. ELEVATIONS (Show whether DE	F, RT, GR, etc.)	Uintah	UT
16. C	heck Appropriate Box To Indicate N	ature of Notice, Report or O	ther Data	•
	F INTENTION TO:		QUENT REPORT OF:	
TEST WATER SHUT-OFF FRACTURE TREAT SHOOT OR ACIDIZE	PULL OR ALTER CASING MULTIPLE COMPLETE ABANDON	WATER SHUT-OFF FRACTURE TREATMENT SHOOTING OR ACIDIZING	ALTERI	NG WELL NG CASING
REPAIR WELL	CHANGE PLANS	(Other) Change Of (Note: Report results	Operator of multiple completion	on on Well XX
(Other)		Completion or Reco	empletion Report and	Log form.)
APPROX. DATE WORK WILL	START	DATE OF COMPLETION		
starting any proposed work, pertinent to this work.)	COMPLETED OPERATIONS (Clearly so if well is directionally drilled, give subsurfur: Effective Date January	face locations and measured and t	rue vertical depths for	all markers and zones
Change of Operato				-
Former Operator:	Ocean Energy, Resources, 410 17th Street, Suite 1 Denver, Colorado 80202			
New Operator:	Citation Oil & Gas Corp. 8223 Willow Place South Suite 250		64	
	Houston, Texas 77070-562		DECE N JAR 1	3 1599
•			DIV. OF OIL, C	AS & MELLING
18. I hereby certify that the for		gulatory Coordintor	DATE	/6/99
(This space for Federal or S			DATE	
APPROVED BY	TITLE		UAIP	

STATE OF UTAH DIVISION OF OIL, GAS AND MINING

•			5. LEASE DESIGNATION & SERIAL NO. U-025651-A
(Do not use this form for	NOTICES AND REPORTS Corproposals to drill or to deepen or plug bandpulication for PERMIT—" for such	ick to a different reservoir.	6. IF INDIAN, ALLOTTEE OR TRIBE NAME
1. OH — GAS —			1. UNIT ACREEMENT NAME
WELL MELL OT	HER		8. FARM OR LEASE NAME
2. NAME OF OPERATOR	Comp		USA Pearl Broadhurst
Citation Oil & Gas	COIP.		9. WELL NO.
8223 Willow Place	South, Suite 250, Houston	TX 77079-5623	20
See also space 17 below.)	tion clearly and in accordance with any State requ		Walker Hollow Field
1980 At proposed prod. zone	' FNL & 1978' FWL SE	NW	11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
At proposed production			9-T7S-R23E
14. API NO.	15. ELEVATIONS (Show whether Di	F. RT. GR. etc.)	12. COUNTY 13. STATE
43·M7·30	941		Uintah UT
16. C	heck Appropriate Box To Indicate N	lature of Notice, Report or (Other Data
NOTICE O	f intention to:	SUBS	EQUENT REPORT OF:
TEST WATER SHUT-OFF	PULL OR ALTER CASING	WATER SHUT-OFF	REPAIRING WELL
FRACTURE TREAT	MULTIPLE COMPLETE	FRACTURE TREATMENT	ALTERING CASING
SHOOT OR ACIDIZE	ABANDON	shooting or acidizing (Other) Change Of	ABANDONMENT*
REPAIR WELL	CHANGE PLANS	(Other) Change Of	Uperator XX XX
(Other)	<u></u>	Completion or Rec	completion Report and Log form.)
APPROX. DATE WORK WILL	START	DATE OF COMPLETION	
starting any proposed work, pertinent to this work.)	If well is directionally drilled, give subsur	face locations and measured and .	e pertinent dates, including estimated date of true vertical depths for all markers and zones mpanied by a cement verification report.
Former Operator:	Ocean Energy, Resources, 410 17th Street, Suite 1 Denver, Colorado 80202		100
New Operator:	Citation Oil & Gas Corp. 8223 Willow Place South Suite 250		0664
	Houston, Texas 77070-562	23	DIV. OF OIL, GAS & MINING
, <u> </u>		•	DIV. UF OIL, and a mine
18. I hereby certify that the fo	regoing is the and correct		
SIGNED Work	I ferrely TITLE	lice President Land	DATE 1-8-99
(This space for Federal or			DAME
APPROVED BY	TITLE VAL. IF ANY:		DATE



United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Vernal Field Office

IN REPLY REFER TO:

170 South 500 EastPhone: (435) 781-4400 Vernal, Utah 84078-2799Fax: (435) 781-4410

3160 UT08300

February 17, 1999

Citation Oil & Gas Corporation Attn: Sharon Ward P O Box 690688 Houston, TX 77269-0688

Re:

USA Pearl Broadhust Wells 1, 2, 4, 5, 6, 7,

8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19,

20, 21, and 22

Sec. 9 & 10, T7S, R23E Lease U-02651-A Uintah County, Utah

Dear Ms. Ward:

This correspondence is in regard to the self-certification statement submitted requesting a change in operator for the referenced well. After a review by this office, the change in operator request is approved. Effective immediately, Citation Oil & Gas Corporation is responsible for all operations performed on the referenced well. All liability will now fall under your bond, BLM Bond No. MT0630, for all operations conducted on the referenced well on the leased land.

If you have any other questions concerning this matter, please contact Margie Herrmann or Pat Sutton of this office at (435) 781-4492.

Sincerely,

Howard B. Cleavinger II
Assistant Field Manager for

Minerals Resources

cc: Ocean Energy, Inc. Amoco Production Co. Utah Div. Oil, Gas & Mining From:

<Margie_Herrmann@ut.blm.gov>

To:

<nrogm.krisbeck@state.ut.us>

Date: Subject: Tue, Jun 1, 1999 11:18 AM Change of Operator

Here goes again! Let me know if you receive it. Thank you, Margie

				:				
Division of	Oil, Gas and Mining					Routing:		_
* ÔPER	ATOR CHA	NGE WORKSHE	ET			1-KDR	6-KAS	
					1	2-GLH		4
		received by the division		-		3-JRB 4-CDW		\dashv
Initial ea	ich listed item wh	nen completed. Write N	/A if item is not ap	oplicable.		5-KDR	_/	=
Et Cha	ngo of Opera	tor (well sold)	□ Degi	gnation of Ager	nt			
	signation of O	•	*	rator Name Cha				
								=
The ope	rator of the w	vell(s) listed below	has changed, et	ffective: 1-1-	-99			
TO: (ne	ew operator) (address)	CITATION OIL 8 8223 WILLOW PI HOUSTON, TX 7	SOUTH STE	FROM: (old o	operator) (address)	_	Y RESOURCES IN REET STE 1400 80202	-
		Phone: (281) 469 Account no. NO2				Phone: (303) 5 Account no. N		-
WELL((S) attach addition	onal page if needed:						
Name: Name: Name: Name: Name: Name:	*SEE ATTAC	API:	3.047.3694	Entity: Entity: Entity: Entity: Entity: Entity: Entity:	$\begin{array}{cccccccccccccccccccccccccccccccccccc$	R I I R I I I I I I I I I I I I I I I I	ease: ease: ease: ease: ease: ease: ease: ease:	
	MOD CITAR							5
OPERA	TOR CHAN	IGE DOCUMENT	TATION					
LDF1.	(r649-8-10) form).	Sundry or other legal (Rec'd 1	al documentation (13 · 99)	on has been rece	eived from the	FORMER oper	rator (attach to thi	S
KBP-2.	(r649-8-10) form).	Sundry or other le	egal documenta L.99)	ation has been 1	received from	the NEW opera	tor (Attach to thi	S
MA3.	The Depar wells in Uta	tment of Commer h. Is the company	ce has been co registered wit	ntacted if the notate? (y	ew operator a res/no)	bove is not curre If yes, show con	ntly operating any pany file number	у :
<u>DR</u> 4.	note of BLI	AN AND FEDERA M status in comme ould ordinarily take pelow. M 12	nts section of t	this form. BLM	1 approval of	Federal and Inc	lian well operato	r
LDP-5.		ve been entered in t	,					
1016.	Cardex file	has been updated f	or each well lis	sted above.				
4F7.	Well file lat	oels have been upda	ated for each w	rell listed above	(*nw P	iling system)	_	
DL8.	Changes hav to Trust Lan	e been included on ds, Sovereign Land	the monthly "Cls, UGS, Tax C	Operator, Addression, etc.	ss, and Accou	nt Changes" me r	no for distribution	1
DF 9.	A folder har reference du	s been set up for the ring routing and pro	he Operator (ocessing of the	Change file, and original docum	d a copy of the	his page has bee	n placed there for	r =

OPERATO	OR CHANGE WORKSHEET (cont d) - Initial each item when completed. Write Note item is not applicable.
ENTITY	REVIEW
UM 1.	(r649-8-7) Entity assignments have been reviewed for all wells listed above. Were entity changes made? (yes/no) If entity assignments were changed, attach copies of Form 6, Entity Action Form.
<u>KDP</u> 2.	Trust Lands, Sovereign Lands, Tax Commission, etc., have been notified through normal procedures of entity changes.
BOND V	VERIFICATION - (FEE WELLS ONLY)
<u>Ш</u> А 1.	(r649-3-1) The NEW operator of any fee lease well listed above has furnished a proper bond.
<u> </u>	A copy of this form has been placed in the new and former operator's bond files.
3.	The FORMER operator has requested a release of liability from their bond (yes/no), as of today's date If yes, division response was made to this request by letter dated
LEASE	INTEREST OWNER NOTIFICATION OF RESPONSIBILITY
	Copies of documents have been sent on to at Trust Lands for changes involving State leases, in order to remind that agency of their responsibility to review for proper bonding. (r649-2-10) The former operator of any fee lease wells listed above has been contacted and informed by letter dated 19, of their responsibility to notify all interest owners of this change.
FILMIN	IG
1.	All attachments to this form have been microfilmed . Today's date: 8,399.
FILING	
1.	Copies of all attachments to this form have been filed in each well file.
2.	The original of this form, and the original attachments are now being filed in the Operator Change file.
COMM	ENTS
<u>990514</u>	10H message w/ marjie/B/m) regarding approval? 990601 Rec'd e-mail approval val from marjie (B/m)

(This space for State use only) Accepted by the Utah Division of Federal Approval Of This Action is Necessary	RECEIVED
NAME (PLEASE PRINT) SIGNATURE SIGNATURE Sharon Ward DATE Permitting Man 2/20/2007	ager
	1384 SENT 10 CREMAR 1913: 3-14-0 1916: PM
Citation Oil & Gas Corp. requests permission to temporarily abandon the USA Pearl Broad as an injection well pending a Reservoir waterflood study of the field. This well was shut in position to convert to water injection for support to wells in the western side of the field successful.	dhurst #20 and to hold for future use n in October, 2001 and is in good
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, violuting da	
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL NAME CHANGE WELL STATUS PRODUCTION (START/RESUME) COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	WATER DISPOSAL WATER SHUT-OFF OTHER:
(Submit in Duplicate) Approximate date work will start: CASING REPAIR NEW CONSTRUCTION CHANGE TO PREVIOUS PLANS OPERATOR CHANGE CHANGE TUBING PLUG AND ABANDON	TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE
TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE DEEPEN DEEPEN TYPE OF ACTION	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
11 CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL & 1978' FWL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 7S 23E	COUNTY: Uintah STATE: UTAH
3. ADDRESS OF OPERATOR: P O Box 690688 OFF Houston OFF TX	10. FIELD AND POOL, OR WLDCAT: Walker Hollow Green River
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	9. API NUMBER: 4304730941
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT or CA AGREEMENTNAME: USA Pearl Broadhurst
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-02651-A
STATE OF UTAH	FORM 9

(5/2000)

FEB 2 3 2007

DIV. OF OIL, GAS & MINING

CITATION OIL & GAS CORP. WALKER HOLLOW PEARL BROADHURST #20

(SE/NW) Sec. 9-T7S-R23E

UINTAH CO., UTAH

1980' FNL, 1978' FWL API: 43-047-30941

KB: 13' FT GL: 5124' FT Status: Shut in

ROD DETAIL							
Qty	Size	Туре	Length				

12-1/4" Hole

8-5/8" 24# K-55 @ 492'

Tubing pulled 3/2005

	TUBING DETAIL							
Qty	Description	Length	Depth					
	КВ	13	13					
			13					
			13					
			13					
			13					
			13					
			13					

CASING DETAIL						
Size	Weight	Grade	Depth			
8-5/8"	24	K-55	0-492			
5-1/2"	14	K-55	0-5563			

Perfs 4/94

H: 4695' - 98'

H: 4724' - 31'

H: 4781' - 85'

Perfs 10/81

J: 5282' - 83' (SQZ 10/81)

J: 5303' - 05' (SQZ 10/81)

J: 5324' – 26' (SQZ 10/81)

J: 5341' - 43' (SQZ 10/81)

K: 5403'-08'

K: 5418' - 22'

K: 5426' - 29'

10/81 Stimulation: (K only)

Broke perfs w/ 750 gal 7.5% HCL-MSR

ISI: 1200#

10/81 Frac:

30,000 gal Super "K-1"

35,000 # 20-40 sand

13,100 # 10-20 sand

15 BPM @ 5000#, ISI: 2000#

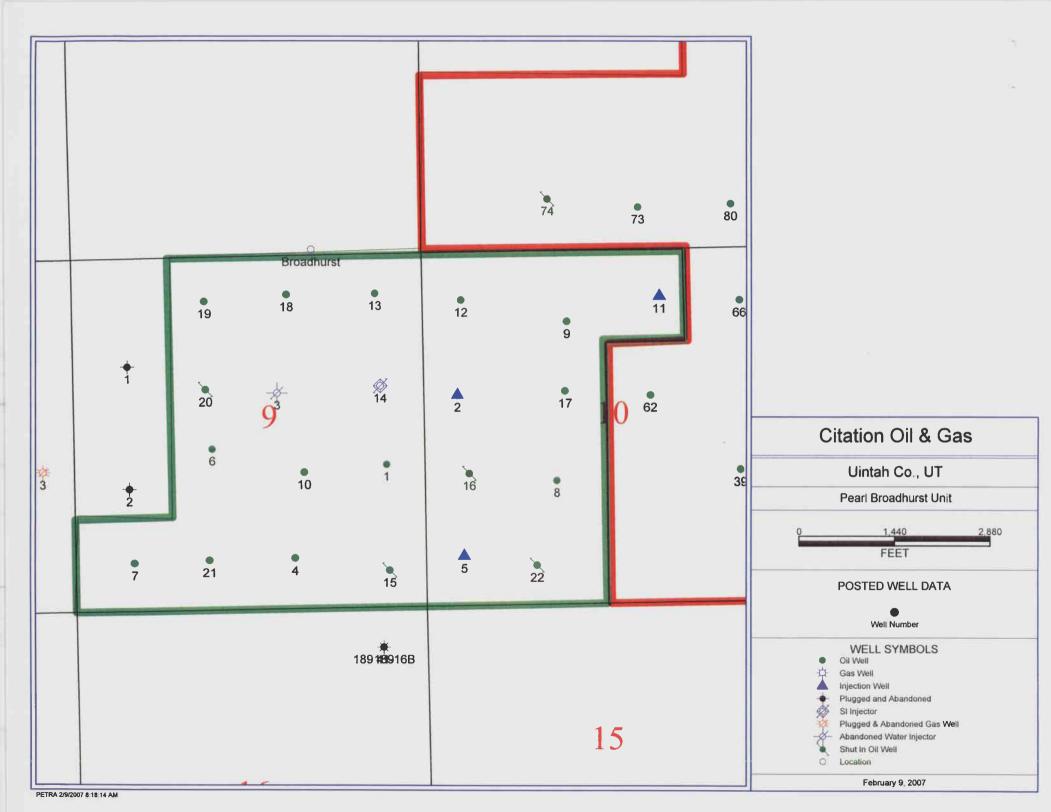
10/81: 5 1/2" 14# K-55 @ 5563' w/770 sx Howco lite + 460 sx 50-50 POZ

7-7/8" Hole

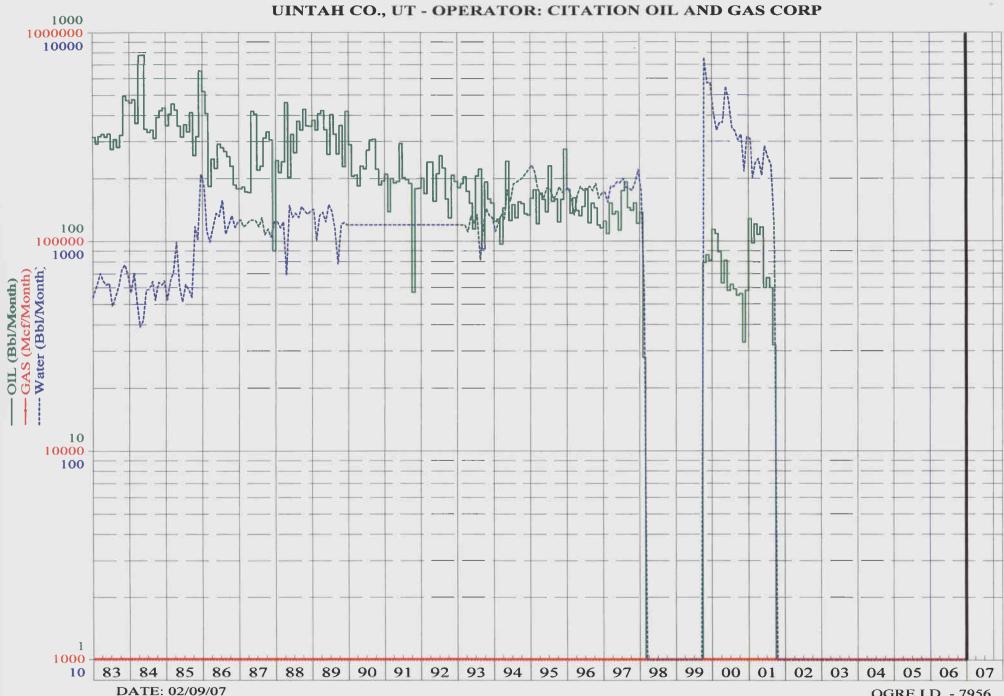
PBTD: 5512

TD: 5563'

Updated: 2/20/07 CSS



BROADHURST, USA PEARL 20 WALKER HOLLOW FIELD



OGRE I.D. - 7956

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

(5/2000)

DIV. OF OIL, GAS & MINING

	DIVISION OF OIL, GAS AND	MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 02651A
SUNDRY	NOTICES AND REPOR	RTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
1 TYPE OF MELL		w current bottom-hole depth, reenter plugged wells, or tall form for such proposals.	7. UNIT or CA AGREEMENTNAME: USA Pearl Broadhurst 8. WELL NAME and NUMBER:
OIL WELL	GAS WELL OTHE	R	USA Pearl Broadhurst 20
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	VALUE OF THE PARTY		9. API NUMBER: 4304730941
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	10. FIELD AND POOL, OR WLDCAT:
P O Box 690688 4. LOCATION OF WELL	Houston STATE TX	77269 (281) 517-7800	Walker Hollow Green River
FOOTAGES AT SURFACE: 1980'	FNL & 1978' FWL		COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RAN	NGE, MERIDIAN: SENW 9 7S	23E	STATE: UTAH
11. CHECK APP	ROPRIATE BOXES TO INDIC	CATE NATURE OF NOTICE, REF	PORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	✓ TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
7	COMMINGLE PRODUCING FORMATION	ONS RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	ON
Citation Oil & Gas Corp. r	equests approval to retain this		status for potential conversion to
NAME (PLEASE PRINT) SIGNATURE (This space for State use only)	REQUEST DENIED Litab Division of	TITLE Regulatory Co	mpliance Coordinator RECEIVED
	Oil, Gas and Mining	Action Is Necessary	MAR 1 0 2008

		DEPARTMENT OF NATURAL RESOL	URCES	FORM 9
	1	DIVISION OF OIL, GAS AND M		5. LEASE DESIGNATION AND SERIAL NUMBER: U-02651-A
	SUNDRY	NOTICES AND REPORT	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME;
	drili nonzontal la	iew wells, significantly deepen existing wells below caterals. Use APPLICATION FOR PERMIT TO DRILL	urrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	7. UNIT or CA AGREEMENT NAME: USA Pearl Broadhurst
	OIL WELL	GAS WELL OTHER	Conversion to injection	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20
	NAME OF OPERATOR:			9. API NUMBER:
	itation Oil & Gas Corp.	· · · · · · · · · · · · · · · · · · ·		4304730941
	ADDRESS OF OPERATOR:	4	PHONE NUMBER:	10. FIELD AND POOL, OR WILDCAT:
	O Box 690688 CITY	Houston STATE TX	77260 (281) 517-7800	Walker Hollow Green River
	FOOTAGES AT SURFACE: 1980 F	NL & 1978 FWL		COUNTY: Uintah
C	OTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: SENW. 9 78	23E	STATE: UTAH
11.				UTAH
			TE NATURE OF NOTICE, REPO	UTAH
11.	CHECK APPR		TE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
	CHECK APPR	ROPRIATE BOXES TO INDICA	TE NATURE OF NOTICE, REPO	PRT, OR OTHER DATA REPERFORATE CURRENT FORMATION
11.	CHECK APPR TYPE OF SUBMISSION NOTICE OF INTENT	ROPRIATE BOXES TO INDICA ACIDIZE ALTER CASING	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT	PRT, OR OTHER DATA REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
11.	CHECK APPR TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate)	ROPRIATE BOXES TO INDICA ACIDIZE ALTER CASING CASING REPAIR	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION	PRT, OR OTHER DATA REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON
11.	CHECK APPR TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate)	CHANGE TO PREVIOUS PLANS	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE	PRT, OR OTHER DATA REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR
11.	CHECK APPR TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate)	CHANGE TUBING	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE
11.	CHECK APPR TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	ACIDIZE ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL
11.	CHECK APPE TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT	ACIDIZE ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME)	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE
11.	CHECK APPE TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT (Submit Original Form Only)	ACIDIZE ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME)	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL
11.	CHECK APPE TYPE OF SUBMISSION NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: SUBSEQUENT REPORT (Submit Original Form Only)	ACIDIZE ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS	TE NATURE OF NOTICE, REPO TYPE OF ACTION DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME)	DRT, OR OTHER DATA REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF

Citation Oil & Gas Corp. plans to convert the USA Pearl Broadhurst 20 to injection upon EPA approval with attached procedure. Application was submitted to state and EPA on. EPA approval is anticipated this year.

> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

NAME (PLEASE PRINT) Sharon Ward	TITLÉ	Permitting Manager
SIGNATURE SNOW (1) and	DATE	9/16/2008

(This space for State use only)

RECEIVED SEP 18 2008

WORKOVER PROCEDURE

PROJECT:	Pearl Broadhurs	t Unit 20:	OAP and Con	vert to Water In	jection Well		
DRILLED &	COMPLETED:	<u>9/81</u>	LAST WO:	3/05 – Pulled	& LD rods &	tubing	
LOCATION:	1980' FNL &	1978' FW	/L, SE NW Sec	. 9, T7S, R23E			
FIELD: F	Red Wash			COUNTY:	Uintah	STATE:	UT

TD: 5563' KB PBTD: 5512' KB DATUM: 5124' GL KB to GL: 13'

CASING AND LINER RECORD

SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
8 5/8"	24#	492'	365 sx	12 1/4"	SURFACE	CIRC'D
5 1/2"	14#	5563'	1230 sx	7 7/8"	SURFACE	CIRC'D

PRESENT FORMATION AND COMPLETION: Green River: 4695' – 5429' OA

TUBING: Pulled & laid down rods & tubing (3/05)

ROD DETAIL:

MISC.: 9/17/01 - Well SI: Uneconomic to repair clutch on PU. Well test: 1 BOPD + 71 BWPD

PROCEDURE

- MI & rack ~5550' 2 7/8" 6.5 ppf N-80 8rd EUE workstring tubing.
- MI & rack ~5350' 2 7/8" 6.5 ppf J-55 8rd EUE IPC injection tubing.
- 1. MI RU PU. ND WH. NU BOP. PU & Talley RIH w/ 4 3/4" MT bit, scraper & SN on 2 7/8" WS to PBTD @ + 5512' KB. RU pump truck & CHC. POOH & LD bit & scraper.
- 2. MI RU WL Unit & pack-off. PU & RIH w/ perf gun. Correlate to Open-hole and/or CBL/GR Log supplied by Reservoir Department to perforate & "re-perforate" the following intervals w/ 4 spf @ 90° phasing:

Formation	Interval	#.feet	# Perfs
DL1a	5426' – 5429'	3	13
DL1a.	5418' - 5422'	4	17
8D	5403' - 5408'	5	21
8C	5336' - 5344'	8	33
	5322' - 5328'	6	25

- 4. POOH & LD perf gun. RD MO WL Unit.
- 5. PU & Hydrotest (5000 psi) RIH w/ 5 1/2" PPI PKR (w/ 10' spacing & SCV) & SN on 2 7/8" WS tubing to ± 5450'. Set RBP & PT in blank pipe to 3000 psi. Release PKR & PUH w/ PKR & set above lower perf interval to be stimulated.

6. MI RU Acid pump truck. Breakdown & Stimulate perforations utilizing PPI PKR. After initial breakdown, displace acid with a high rate in order to achieve penetration & clean-up perforations. Record rates & pressures of each setting along with ISIP, 5, 10 & 15 min SIP's. The following is a guideline for stimulating in5 settings using ~125 gals/ft or a total of 3,250 gals of 15% NeFE Acid:

Formation	Perf Interval	# feet	Gallons of Acid
DL1a	5426' – 5429'	3	375
DL1a	5418' – 5422'	4	500
8D	5403' – 5408'	5	625
8C	5336' – 5344'	8	1000
8C	5322' – 5328'	6	750
Totals	5 Settings	26	3250

Displace acid to perfs. RD MO Acid pump truck.

- 7. PUH & set PPI PKR @ ± 5300'. RIH w/ sandline & fishing tool to retrieve SV in PPI PKR. Overdisplace acid w/ clean produced water to bottom perf. SD 30 minutes.
- 8. RU swab & swab book load. Release PKR & POOH LD WS & PKR.
- 5. PU & RIH w/ 2 7/8" injection seembly as follows (top \rightarrow bottom) KB correction of 10':
 - ± 148 jts 2 7/8" 6.5 ppf J-55 8rd EUE IPC tubing (+ 4640')
 - 2 7/8" x 5 1/2" Baker model "AR-1" Snap-Set compression PKR (± 6.1') set @ ± 4650' KBM
 - ± 20 jts 2 7/8" 6.5 ppf J-55 8rd EUE IPC tubing (± 650 ')
 - 2 7/8" x 5 1/2" Baker model "R" PKR (\pm 7.58') set @ \pm 5300' KBM EOT @ \pm 5308' KBM
- 6. Set model "R" PKR @ \pm 5300'. Set "AR-1" Snap-Set PKR at \pm 4650'.
- RU pump truck. Load annulus & PT to 1500 psi. Release PKR's & circulate hole w/ PKR FL (NOTE:
 Annular capacity to bottom PKR is ~87 Bbls). Reset PKR's. Load annulus w/ PKR FL. PT annulus to 1500 psi.
- 8. ND BOP. NU WH. Perform MIT as per BLM & Utah regulations. RD pump truck. RD MO PU.
- 9. Install injection line. Wait on injection permit approval.
- 10. After approval is received initiate injection at desired rates.
- 11. Monitor until rates stabilize. Run injection profile.

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E **UINTAH CO., UTAH**

API: 43-047-30941

Elevation: 5124' GL **Current Status: Shut-In Producer** KB = 13' AGL12-1/4"" Hole 8 5/8" 24# K-55 csg set @ 492' w/ 365 sx 'H' -Circ'd to surface 7-7/8" Hole 4695' -- 98' w/ 4 spf (4/94): 4724' - 31' NO Stimulation 4781' - 85' 5282' - 83' w/ 2 spf (9/81); 5303', 5305', 5324', 5326', Sqz'd w/ 75 sx (10/81)5341' - 43' 5403' - 08' 5418' - 22' w/ 1 spf (9/81) 5426' - 29' 5 1/2" 14# K-55 csg set @ 5563' w/ 770 sx Howco lite + 460 sx 50-50 POZ – Circ'd to surface PBTD: 5512'

Original PBTD = 5523'

TD: 5563'

· Well SI - uneconomic to repair clutch on PU (9/17/01). Well test: 1 BO + 71 BWPD

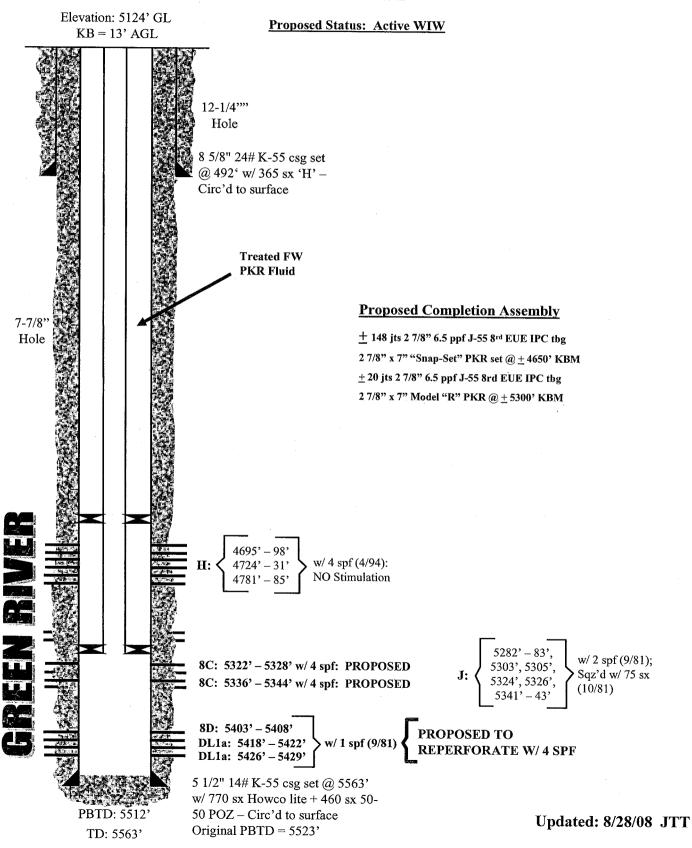
• Pulled & LD tbg & rods (3/05)

10/81 Stimulation: (K only) Broke perfs w/ 750 gal 7.5% HCL-MSR ISI: 1200# 10/81 Frac: 30,000 gal Super "K-1" 35,000 # 20-40 sand 13,100 # 10-20 sand 15 BPM @ 5000#, ISI: 2000#

Updated: 8/28/08 JTT

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 WIW 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E UINTAH CO., UTAH

API: 43-047-30941



(April 2004)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED

OMB No. 1004-0137 Expires: March 31, 2007

Lease Serial No.

UTU 02651A

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an
abandoned well. Use Form 3160-3 (APD) for such proposals

Do not use this form for proposals abandoned well. Use Form 3160-3 (6. If Indian, Allottee, or Tribe Name			
SUBMIT IN TRIPLICATE - Other Instruction	7. If Unit or CA. Agreement Name and/or No.			
1. Type of Well X Oil Well Gas Well Other	8. Well Name and No.			
2. Name of Operator	USA Pearl Broadhurst 20			
Citation Oil & Gas Corp.	9. API Well No.			
3a. Address	3b. Phone No. (include area code)	43-047-30941		
P.O. Box 690688, Houston, TX 77269-0688	(281) 517-7194	10. Field and Pool, or Exploratory Area		
4. Location of Well (Footage, Sec., T., R., M., or Survey Description)	Walker Hollow Green River			
	er e	11. County or Parish, State		
1980' FNL 1978' FWL Sec 9 T7S R231	E SE NW	Uintah County, Utah		
12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE DEPORT OF OTHER DATA				

E NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION Notice of Intent Acidize Deepen Production (Start/Resume) Water Shut-off Altering Casing Fracture Treat Reclamation Well Integrity Subsequent Report Casing Repair New Construction Recomplete Change Plans Plug and abandon Temporarily Abandon Final Abandonment Notice Convert to Injection Plug back Water Disposal

'13. Describe Proposed or Completed Operation (clearly state all pertinent details including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths or pertinent markers and sands. Attach the Bond under which the work will performed or provide the Bond No. on file with the BLM/ BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notice shall be filed only after all requirements, including reclamantion, have been completed, and the operator has determined that the site is ready for final inspection.)

Citation Oil & Gas Corp. requests approval to retain this well in a temporarily abandoned status for potential conversion to injection. The well was shut in during October, 2001. There is no tubing nor pump in the well.

DCT 0 6 2008 PRODUCTION DEPT TA Status Approved

TA Status Approved

For 12 Worth period BLM

For 12 8 21 09 PM

There is no tubin

MAR 1 0 2008

14. I hereby certify that the foregoing is true and correct.

Name (Printed/ Typed) Debra Harris

Title

Regulatory Compliance Coordinator

Date

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Petroleum Engineer

Conditions of approval, if any arrant of this notice does not warrant o certify that the applicant holds legal or equitable title to those rights in the subject lease

Office

which would entitle the applicant to conduct operations thereon.]

Title 18 U.S.C. Section 1001 AND Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make any department or agency of the United States any false, fictitiousor fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

Approved by



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

OCT 0 8 2008

Ref: 8P-W-GW

<u>CERTIFIED MAIL</u> RETURN RECEIPT REQUESTED

Sharon Ward Citation Oil and Gas Corporation P.O. Box 690688 Houston, TX 72269-0688

Re: Application Administratively Complete

EPA UIC Permit UT21197-08242 Well: USA Pearl Broadhurst 20

Uintah County, UT

Dear Ms. Ward:

The purpose of this letter is to inform you that the underground injection permit application you recently submitted to the U.S. Environmental Protection Agency (EPA) Region 8 Ground Water Program Office, for an Underground Injection Control (UIC) Program permit for the above referenced well or project area, has been reviewed and is considered by the Director to be administratively complete pursuant to Code of Federal Regulations Title 40 Part 124 Section 3 (40 CFR §124.3). Please note that although your application included required documentation for demonstrating financial responsibility, the Director may revise the total amount of financial responsibility required based on cost estimates for the approved plugging and abandonment plan.

The EPA UIC Permit number listed above has been assigned to your EPA UIC permit application. Please reference this number when contacting the EPA regarding this application. Your application will be assigned to a UIC Permit Writer and processed in the order it was received.

The Permit Writer will contact you when he or she begins work on a permit application. The Permit Writer will evaluate the technical merits of the permit application, and will begin preparing a draft permit decision and statement of basis. Although a permit application is considered to be administratively complete, if the Permit Writer requires additional information in order to clarify, modify, or supplement the technical or other information submitted with the permit application, the Permit Writer will contact you.

Pursuant to 40 CFR §124.6, the Director will tentatively decide whether to prepare a draft permit or to deny the permit application. If the Director tentatively decides to deny the permit application, EPA will issue public notice of intent to deny and you will be notified by letter when the public notice of intent to deny is published for public comment. If the Director decides to prepare a draft permit, the Permit Writer will complete the draft UIC permit, statement of basis, and public notice of the draft permit.

After the draft UIC permit has been prepared, the draft UIC permit will be made available for public comment, with the opportunity for a public hearing, for a minimum of thirty (30) days. When the draft UIC permit is issued for public comment, you will be notified by letter and provided with a copy of the draft UIC permit, statement of basis and public notice. Following closure of the public notice and public comment period, the Director will issue a final UIC permit decision.

If you have questions regarding progress on your UIC permit application before you are notified that a Permit Writer has been assigned, please contact Douglas Minter at (303) 312-6079. After the Permit Writer has been assigned, please contact that person with your questions.

Sincerely,

Steven J. Pratt, P.E., CAPM (inactive)

Director, Ground Water Program

cc:

Uintah & Ouray Business Committee: Curtis Cesspooch, Chairman Ronald Groves, Councilman Irene Cuch, Vice-Chairwoman Steven Cesspooch, Councilman Phillip Chimburas, Councilman Frances Poowegup, Councilwoman

Michelle Sabori Acting Director Land Use Department Ute Indian Tribe Larry Love Director of Energy & Minerals Dept. Ute Indian Tribe

Elaine Willie GAP Coordinator, Ute Indian Tribe

Daniel Picard BIA - Uintah & Ouray Indian Agency

Gil Hunt Assistant Director Utah Division of Oil, Gas, and Mining

Matt Baker Fluid Minerals Engineering Office BLM - Vernal Office

Robin Hansen Fluid Minerals Engineering Office BLM - Vernal Office

Stan Perkes Solid Minerals Office Bureau of Land Management



State of Utah DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER Executive Director

Division of Oil Gas and Mining

JOHN R. BAZA Division Director

January 29, 2009

GARY R. HERBERT Lieutenant Governor

> Debra Harris Citation Oil & Gas Corp P.O. Box 690688 Houston, TX 77269-0688

Subject: Extended Shut-in and Temporary Abandoned Well Requirements for Fee or State

Leases

Dear Ms. Harris:

The Division of Oil, Gas and Mining (the Division) is in receipt of your letter dated June 25, 2008 (received by the Division on 7/28/2008) in regards to the five (5) federal shut-in or temporarily abandoned (SI/TA) wells operated by Citation Oil and Gas Corp (Citation). It is the Divisions understanding that Citation plans to reactivate both USA Pearl Broadhurst 15 & 16 wells, and also convert the remaining three wells to injection wells (see attachment A).

The Division does not object to the proposal for these wells. However, due to insufficient evidence the Division is unable to grant extended SI/TA status for the referenced wells. The Division must adhere to the requirements of rule R649-3-36 when granting such approvals. As these are federal wells, ultimate approval for extended SI/TA status will have to be approved by the BLM.

An individual sundry for each well along with necessary information helps expedite approval and documentation processes. If you have any questions concerning this matter, please contact me at (801) 538-5281.

Sincerely.

Dustin K. Doucet Petroleum Engineer

DKD/JP/js Enclosure cc: Well Files Compliance File



ATTACHMENT A

- USA Pearl Broadhurst 15 API 43-047-30901
- USA Pearl Broadhurst 16 API 43-047-30903
- USA Pearl Broadhurst 20 API 43-047-30941
- Walker Hollow Unit 39 API 43-047-30415
- Walker Hollow Unit 43 API 43-047-30687

Form 3160- 5 (August, 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

FORM APPROVED OMB No. 1004-0137 Expires: July 31, 2010

Lease Serial No.

т :	Tr	CY	 ^	. ~	66	

·	S AND REPORTS ON WELLS	UTU 02651A
	or proposals to drill or to re-enter an form 3160-3 (APD) for such proposals.	6. If Indian, Allottee, or Tribe Name
SUBMIT IN TRIPLICATE - O	ther Instructions on page 2.	7. If Unit or CA. Agreement Name and/or No.
1. Type of Well Oil Well Gas Well X Other	Conversion to Injection	
2. Name of Operator Citation Oil & Gas Corp.	the second of th	USA Pearl Broadhurst 20
3a. Address	3b. Phone No. (include area code)	5. API Well No.
P O Box 690688	."	43-047-30941
Houston, Texas 77269	281-517-7800	10. Field and Pool, or Exploratory Area
4. Location of Well (Footage, Sec., T., R., M., or Survey Descript	ion) Lat.	Walker Hollow Green River
SE NW 9 T	7S R 23E Long.	11. County or Parish, State Uintah Utah
12. CHECK APPROPRIATE BOX(S) TO	INDICATE NATURE OF NOTICE, REPORT	
TYPE OF SUBMISSION	TYPE OF ACTIO	N
X Notice of Intent Acidize	Deepen Production	n (Start/ Resume) Water Shut-off
Altering Casin	g Fracture Treat Reclamati	ion Well Integrity
Subsequent Report Casing Repair	New Construction Recomple	ete Other
Change Plans	Plug and abandon Temporar	ily Abandon
Final Abandonment Notice X Convert to Injection The Injectio		
citation has filed and application with the E to injection per the attached procedures. OCT 2 2 2008 PRODUCTION DEPT.		
14. I hereby certify that the foregoing is true and correct. Name (Printed/ Typed)	ma.	
Sharon Ward	Title	Permitting Manager
Signature Sharou Wa	Date	16-Sep-08
THIS SI	PACE FOR FEDERAL OR STATE OFFIC	
Approved by D	Patroleum En	OFD 0.0 0000
Approved by Conditions of popoval, it any re attached. Approval of this		ninger L. Yry yu ying
certify that the applicant holds legal or equitable title to those which would entitle the applicant to conduct	notice does not warrant of rights in the subject lease Office	gineer Date SEP 2 9 2008

(Instructions on page 2)

CONDITIONS OF APPROVAL

Citation Oil & Gas Corp.

Notice of Intent Well Conversion to Injection

The well conversion to injection is approved with the following conditions:

- 1. This approval is conditional on Citation Oil & Gas Corp. receiving prior approval from the Agency with UIC approval primacy, EPA or State of Utah.
 - 2. The UIC approval shall be submitted to the BLM Vernal Field Office.

This is an Order of the Authorized Officer (see 43 CFR 3162.1(a)). Please see 43 CFR 3165.3 for information on your review and appeal rights. If you have any questions, please feel free to contact Ryan Angus of this office at (435) 781-4430.

STATE OF UTAH
DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: U-02651-A
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME;
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals, Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT of CA AGREEMENT NAME: USA Pearl Broadhurst
1. TYPE OF WELL OIL WELL GAS WELL OTHER Conversion to injection	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	9. API NUMBER: 4304730941
3. ADDRESS OF OPERATOR: PHONE NUMBER:	10. FIELD AND POOL, OR WLDCAT:
P O Box 690688 CITY Houston STATE TX ZIP 77260 (281) 517-7800	Walker Hollow Green River
FOOTAGES AT SURFACE: 1980 FNL & 1978 FWL	COUNTY: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 75 23E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	PRT, OR OTHER DATA
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start: CASING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING DEEPEN SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME) CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, v olumn Citation Oil & Gas Corp. plans to convert the USA Pearl Broadhurst 20 to injection upon El procedure. Application was submitted to state and EPA on. EPA approval is anticipated the	nes, etc. PA approval with attached
NAME (PLEASE PRINT) Sharon Ward SIGNATURE DATE Permitting Mana DATE 9/16/2008	nger
(This space for State use only)	

RECEIVED

MAR 0 9 2009

WORKOVER PROCEDURE

PROJECT: Pearl Broadhurst Unit 20: OAP and Convert to Water Injection Well							
DRILLED & COMPLETED: 9/81 LAST WO: 3/05 – Pulled & LD rods & tubing							
LOCATION	: <u>1980' FN</u>	NL & 1978' F	WL, SE NW	Sec. 9, T7S, R2	3E		
FIELD:	Red Wash		· · · · · · · · · · · · · · · · · · ·	COUNTY	: <u>Uintah</u>	STATE:	UT
TD: <u>5563</u>	<u>' KB</u> PBT	D: <u>5512' k</u>	<u>CB</u> DATU	JM: <u>5124' Gl</u>	L KB	to GL: <u>13'</u>	
			CASING A	ND LINER RE	CORD		
SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS	
8 5/8"	24#	492'	365 sx	12 1/4"	SURFACE	CIRC'D	
5 1/2"	14#	5563'	1230 sx	7 7/8"	SURFACE	CIRC'D	
PRESENT FORMATION AND COMPLETION: Green River: 4695' – 5429' OA							
TUBING:	Pulled & lai	d down rods a	& tubing (3/0:	5)		•	
ROD							
DETAIL:		•		. •			
	·						
MISC.: 9/17/01 - Well SI: Uneconomic to repair clutch on PU. Well test: 1 BOPD + 71 BWPD							

PROCEDURE

- MI & rack ~5550' 2 7/8" 6.5 ppf N-80 8rd EUE workstring tubing.
- MI & rack ~5350' 2 7/8" 6.5 ppf J-55 8rd EUE IPC injection tubing.
- MI RU PU. ND WH. NU BOP. PU & Talley RIH w/ 4 3/4" MT bit, scraper & SN on 2 7/8" WS to PBTD @ ± 5512' KB. RU pump truck & CHC. POOH & LD bit & scraper.
- 2. MI RU WL Unit & pack-off. PU & RIH w/ perf gun. Correlate to Open-hole and/or CBL/GR Log supplied by Reservoir Department to perforate & "re-perforate" the following intervals w/ 4 spf @ 90° phasing:

Formation	Interval	# feet	# Perfs
DL1a	5426' – 5429'	3	13
DL1a	5418' - 5422'	4	17
8D	5403' - 5408'	5	21
8C	5336' - 5344'	8	33
	5322' – 5328'	6	25

- 4. POOH & LD perf gun. RD MO WL Unit.
- 5. PU & Hydrotest (5000 psi) RIH w/ 5 1/2" PPI PKR (w/ 10' spacing & SCV) & SN on 2 7/8" WS tubing to ± 5450'. Set RBP & PT in blank pipe to 3000 psi. Release PKR & PUH w/ PKR & set above lower perf interval to be stimulated.

6. MI RU Acid pump truck. Breakdown & Stimulate perforations utilizing PPI PKR. After initial breakdown, displace acid with a high rate in order to achieve penetration & clean-up perforations. Record rates & pressures of each setting along with ISIP, 5, 10 & 15 min SIP's. The following is a guideline for stimulating in5 settings using ~125 gals/ft or a total of 3,250 gals of 15% NeFE Acid:

Formation	Perf Interval	# feet	Gallons of Acid
DL1a	5426' – 5429'	3	375
DL1a	5418' – 5422'	4	500
8D	5403' – 5408'	5	625
8C	5336' – 5344'	8	1000
8C	5322' - 5328'	6	750
Totals	5 Settings	26	3250

Displace acid to perfs. RD MO Acid pump truck.

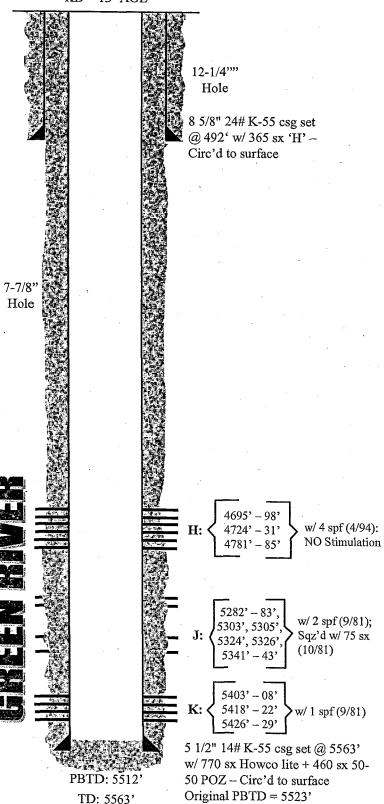
- 7. PUH & set PPI PKR @ ± 5300'. RIH w/ sandline & fishing tool to retrieve SV in PPI PKR. Overdisplace acid w/ clean produced water to bottom perf. SD 30 minutes.
- 8. RU swab & swab book load. Release PKR & POOH LD WS & PKR.
- 5. PU & RIH w/ 2 7/8" injection seembly as follows (top \rightarrow bottom) KB correction of 10':
 - ± 148 jts 2 7/8" 6.5 ppf J-55 8rd EUE IPC tubing (± 4640')
 - 2 7/8" x 5 1/2" Baker model "AR-1" Snap-Set compression PKR (± 6.1') set @ ± 4650' KBM
 - ± 20 jts 2 7/8" 6.5 ppf J-55 8rd EUE IPC tubing (± 650)
 - 2 7/8" x 5 1/2" Baker model "R" PKR (± 7.58') set @ ± 5300' KBM EOT @ ± 5308' KBM
- 6. Set model "R" PKR @ \pm 5300'. Set "AR-1" Snap-Set PKR at \pm 4650'.
- 7. RU pump truck. Load annulus & PT to 1500 psi. Release PKR's & circulate hole w/ PKR FL (NOTE: Annular capacity to bottom PKR is ~87 Bbls). Reset PKR's. Load annulus w/ PKR FL. PT annulus to 1500 psi.
- 8. ND BOP. NU WH. Perform MIT as per BLM & Utah regulations. RD pump truck. RD MO PU.
- 9. Install injection line. Wait on injection permit approval.
- 10. After approval is received initiate injection at desired rates.
- 11. Monitor until rates stabilize. Run injection profile.

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E UINTAH CO., UTAH

API: 43-047-30941

Elevation: 5124' GL KB = 13' AGL

Current Status: Shut-In Producer



10/81 Stimulation: (K only)
Broke perfs w/ 750 gal 7.5% HCL-MSR
ISI: 1200#
10/81 Frac:
30,000 gal Super "K-1"
35,000 # 20-40 sand
13,100 # 10-20 sand

15 BPM @ 5000#, ISI: 2000#

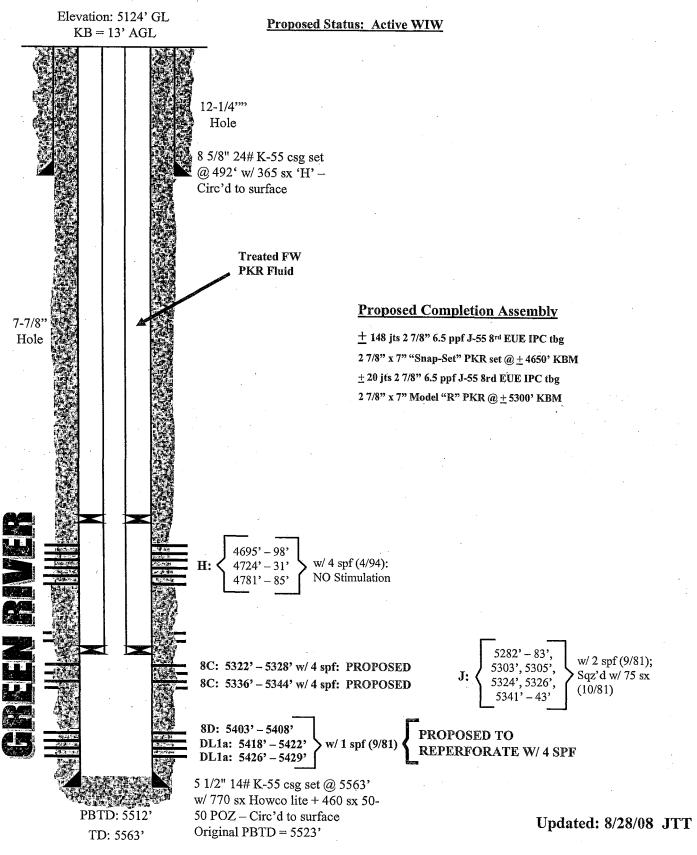
 Well SI – uneconomic to repair clutch on PU (9/17/01). Well test: 1 BO + 71 BWPD

Pulled & LD tbg & rods (3/05)

Updated: 8/28/08 JTT

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 WIW 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E UINTAH CO., UTAH

API: 43-047-30941



STATE OF UTAH MENT OF NATURAL RESOURCES

	DEPARTMENT OF NATURAL RESO	DURCES		
[DIVISION OF OIL, GAS AND			5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 02651A
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:			
Do not use this form for proposals to drill no	ew wells, significantly deepen existing wells below terals. Use APPLICATION FOR PERMIT TO DR	v current bottom-hole dep	h, reenter plugged wells, or to	7. UNIT or CA AGREEMENT NAME: USA Pearl Broadhurst
1. TYPE OF WELL OIL WELL				8. WELL NAME and NUMBER: USA Pearl Broadhurst 20
2. NAME OF OPERATOR:				9. API NUMBER:
Citation Oil & Gas Corp.			PHONE NUMBER:	4304730941 10. FIELD AND POOL, OR WILDCAT:
P O Box 690688	Houston STATE TX	_{ZiP} 77269	(281) 517-7800	Walker Hollow Green River
4. LOCATION OF WELL				
FOOTAGES AT SURFACE: 1980' I	FNL & 1978' FWL			соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: SENW 9 7S	23E		STATE: UTAH
11. CHECK APPE	ROPRIATE BOXES TO INDIC	ATE NATURE	OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		T	YPE OF ACTION	
✓ NOTICE OF INTENT	ACIDIZE	DEEPEN		REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE	TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONS	TRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR	CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND	ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACH		WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS		ON (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIO		ION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLE	TE - DIFFERENT FORMATION	
	OMPLETED OPERATIONS. Clearly show			
We have applied to EPA for 43 to injection. Upon EPA Pearl Broadhurst 16 bases	or approval to convert the USA A approval and conversion to industrial of the addition	A Pearl Broadhunjection we plare al injection and	urst 20, Walker Holl to reactivate the U the economical jus	tatus pending conversion to injection. ow Unit 39 and Walker Hollow Unit SA Pearl Broadhurst 15 and USA tification of the project at that time. ow Unit 39 and 43 based upon this
				COPY SENT TO OPERATOR Date: 5.4.2009 Initials: K5
NAME (PLEASE PRINT) Debra Hai	rris			npliance Coordinator
SIGNATURE	a parris	DA1	2/16/2009	
This space for State use only)	Accepted by the Utah Division of Oil, Gas and Mining	Federa Acti	I Approval Of This on Is Necessary	
	1120109			RECEIVED

(5/2000)

ions on Reverse Side)

MAR 0 9 2009 DIV. OF OIL, GAS & MINING



June 25, 2008

State of Utah
Division of Oil, Gas and Mining
1594 West North Temple, Suite 1210
Sale Lake City, Utah 84114-5801

ATTN: Mr. Dustin Doucet, Petroleum Engineer

Re:

TA Extension Sundry Denials

Walker Hollow Field, Uintah County, Utah

Mr. Doucette,

75 23E 9

On June 16, 2008 we received denials to TA extension request sundries for 5 wells located in the Walker Hollow Field as follows:

- USA Pearl Broadhurst 15; (Federal Lease UTU02651A); API 43-047-30901
- USA Pearl Broadhurst 16; (Federal Lease UTU02651A); API 43-047-30903
- USA Pearl Broadhurst 20; (Federal Lease UTU02651A); API 43-047-30941
 - Walker Hollow Unit 39; (Federal Lease UTU02651A); API 43-047-30415
 - Walker Hollow Unit 43: (State Lease SL066312/ Federal Unit UTU66837A); API 43-047-30687

Irritial sundries requesting either retention of Shut In or Temporarily Abandoned status for each well pending reservoir study to determine the feasibility of either reactivation or utilization in the field were approved by your office 3/13/2007 and approved by the BLM 4/12/2007. Each of these wells has been reviewed with both the operations engineer and the reservoir engineer for this field who are currently putting together proposals for a number of wells to be either converted to injectors or recompleted, or drilled as either producers or injectors in this field.

Both the USA Pearl Broadhurst 15 and 16 are proposed to be reactivated as producers with the remaining three wells to be converted to injection wells. With this in mind, we would appreciate your reconsideration of the TA extension denials allowing us to continue putting together the proposal packages which will be torwarded to your office as well as the BLM office in Vernal, Utah for approval prior to beginning the work. It is anticipated that the paperwork for these can be submitted for approval by March, 2009. The three injection wells must be permitted through the EPA, so the permit approval process will take considerably longer. We have finally received EPA pre-injection stipulations for the Walker Hollow Unit 72 and 87 wells which are to be converted to injection. Once converted and waterflood response is recognized, Citation has proposed to reactivate both the Walker Hollow Unit 36 and 74 wells in previous correspondence.

If there is additional information you would like to review in order to reconsider the TA extension requests, please contact me at (281) 517-7194 or via email at dharris@cogc.com.

Sincerely

Debra Harris

Regulatory Compliance Coordinator

RECEIVED

JUL 28 2008

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OUL GAS AND MINIMO

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	UTU 02651A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly despen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL	USA Pearl Broadhurst
OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: USA Pearl Broadhurst 15
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	9. API NUMBER:
3. ADDRESS OF OPERATOR:	4304730901 10. FIELD AND POOL, OR WILDCAT:
P O Box 690688 CITY Houston STATE TX ZIP 77269 (281) 517-7800	Walker Hollow Green River
THE WINDOW PROPER TRANSPORTED AND RELEASE OF THE PROPERTY OF	15 2 U.S. Pereseavantana con una esta a la la
The first of the f	соимту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SESE 9 7S 23E	STATE:
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	UTAH
TYPE OF SUBMISSION TYPE OF ACTION	RT, OR OTHER DATA
NOTICE OF INTENT ACIDIZE DEEPEN	REPERFORATE CURRENT FORMATION
(Subriti in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACKTO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS DPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	OTHER:
Citation Oil & Gas Corp. requests approval to retain this well in a temporarily abandoned stawell was shut in December, 2002. There is 2-7/8" tubing, RHAC pump and rods in the well. JUN 1.6 2008 PRODUCTION DEPT.	itus for potential reactivation. The
NAME (PLEASE PRINT) Debra Harris TITLE Regulatory Comp. SIGNATURE ALLUKA HARRIS DATE 3/7/2008	oliance Coordinator
(5/2000) REQUEST DENIED Utah Division of Oil, Gas and Mining Date: 6/408 By: JUL 2 8 2008	RECEIVED MAR 1 0 2008 DIV. OF OIL, GAS & MINING

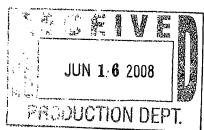
STATE OF UTAH FORM 9 DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS AND MINING 5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 02651A SUNDRY NOTICES AND REPORTS ON WELLS 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 7. UNIT or CA AGREEMENT NAME: USA Pearl Broadhurst 1. TYPE OF WELL OIL WELL 🔽 B. WELL NAME and NUMBER: GAS WELL OTHER USA Pearl Broadhurst 16 2. NAME OF OPERATOR: 9. API NUMBER Citation Oil & Gas Corp. 4304730903 3. ADDRESS OF OPERATOR 10. FIELD AND POOL, OR WILDCAT: PHONE NUMBER: P O Box 690688 Houston STATE TX 7P 77269 (281) 517-7800 Walker Hollow Green River 4. LOCATION OF WELL FOOTAGES AT SURFACE 1977 FSL & 662 FWL 7 FEB 1977 FSL & 662 FWL 7 FEB 1977 FSL & 662 FWL 7 FEB 1977 FSL 8 FEB 1 COUNTY: Uintah QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NWSW 10 7S 23E STATE: UTAH CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION ACIDIZE \square DEEPEN NOTICE OF INTENT REPERFORATE CURRENT FORMATION (Submit in Duplicate) ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL Approximate date work will start: CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON CHANGE TO PREVIOUS PLANS OPERATOR CHANGE TUBING REPAIR CHANGE TUBING PLUG AND ABANDON VENT OR FLARE 1-SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only) WATER DISPOSAL CHANGE WELL STATUS PRODUCTION (START/RESUME) Date of work completion: WATER SHUT-OFF COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, v olumes, etc. Citation Oil & Gas Corp. requests approval to retain this well in a temporarily abandoned status for potential reactivation. The well was shut in during January, 2002. There is no tubing nor pump in the well. JUN **1 6** 2008 PRODUCTION DEPT NAME (PLEASEPRINT) Debra Harris Regulatory Compliance Coordinator SIGNATURE 3/7/2008 DATE (This space for State use only) REQUEST DENIED Federal Approval Of This Utah Division of RECEIVED Action Is Necessary Oil, Gas and Mining 108 MAR 1 0 2008 (5/2000) (See Instructions on Reverse Side)

2015

RECEIVED

JUL 28 2008

	DEPARTMENT OF NATURAL RESOU DIVISION OF OIL, GAS AND MI	IRCES			FORM 9
	UTU 02				
SUNDRY	NOTICES AND REPORT	S ON WEL	LS	6. IF INDIAN	, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill n drill horizontal le	sew wells, significantly deepen existing wells below cu sterals. Use APPLICATION FOR PERMIT TO DRILL:	irrent bottom-hole dept form for such proposa	h, reenter plugged wells, or to is.	7. UNIT or C	A AGREEMENTNAME: Þarl Broadhurst
OIL WELL 2. NAME OF OPERATOR:					ME and NUMBER: earl Broadhurst 20
Citation Oil & Gas Corp.				9. API NUME 430473	0941
	Y Houston STATE TX ZIF	77269	PHONE NUMBER: (281) 517-7800	10. FIELD A Walker	ND POOL, OR WILDCAT: Hollow Green River
FOOTAGES AT SURFACE 1980	FNL & 1978 FWL		の では、 では、 では、 では、 では、 では、 では、 では、	COUNTY:	Uintah -
	GE, MERIDIAN: SENW 971 7S 2			STATE:	UTAH
11. CHECK APPE	ROPRIATE BOXES TO INDICAT	TE NATURE (OF NOTICE, REPO	RT, OR C	THER DATA
TYPE OF SUBMISSION			PE OF ACTION		
NOTICE OF INTENT (Submit in Duplicate)	ACIDIZE ALTER CASING	DEEPEN		REF	ERFORATE CURRENT FORMATION
Approximate date work will start:	CASING REPAIR	FRACTURE		==	ETRACKTO REPAIR WELL
	CHANGE TO PREVIOUS PLANS	NEW CONST			IPORARILY ABANDON
	CHANGE TUBING	PLUG AND		=	ING REPAIR
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	•	_	IT OR FLARE TER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTIO	N (START/RESUME)	_	TER SHUT-OFF
*	COMMINGLE PRODUCING FORMATIONS		ON OF WELL SITE	Ξ	IER:
·	CONVERT WELL TYPE		TE - DIFFERENT FORMATION		
12. DESCRIBE PROPOSED OR CO	MPLETED OPERATIONS. Clearly show all p	pertinent details inc	luding dates, depths, v olume	es, etc.	
- ≟Citation Oil & Gas Corp. re	equests approval to retain this would be approvaled to retain this would be during October, 2001. The	ell in a tempo	rarily abandoned etc	. t	tential conversion to



11111111	TION DEPT.		
NAME (PLEASE PRINT) Debr	a Harris	тітьє Regulatory Comp	oliance Coordinator
SIGNATURE	Wandkes	DATE 3/7/2008	
(This space for State use only)	REQUEST DENIED Utah Division of Oil, Gas and Mining Date: 6469	Federal Approval Of This Action Is Necessary	RECEIVED

(5/2000)

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER:
SUNDRY NOTICES AND REPORTS ON WELLS	B. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	7. UNIT or CA AGREEMENT NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. 1. TYPE OF WELL	Walker Hollow Unit UTU66837A
OIL WELL GAS WELL OTHER Injection	8. WELL NAME and NUMBER: Walker Hollow Unit 39
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	B. API NUMBER:
3. ADDRESS OF OPERATOR: PHONE NUMBER:	4304730415 10. FIELD AND POOL, OR WILDCAT:
P.O. Box 690688 CITY Houston STATE TX ZIP 77269-0688 (281) 517-7800	Walker Hollow Green River
FOOTAGES AT SURFACE: 1963 FSL & 574 FEL TEST TO THE T	соимту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: NESW 10 75 23E	THE MARKS OF THE MARKS OF THE MARKS
	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE DEEPEN FRACTURE TREAT	REPERFORATE CURRENT FORMATION
Approximate date work will start: CASING FRACTURE TREAT Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	SIDETRACK TO REPAIR WELL
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TEMPORARILY ABANDON
CHANGE TUBING PLUG AND ABANDON	UBING REPAIR VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only) CHANGE WELL NAME PLUG BACK	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	OTHER: Retain Shut In Status
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume	es, etc.
Citation Oil & Gas Corp. requests approval to retain this well in a shut in status pending pote waterflood analysis of the Walker Hollow Unit.	ential reactivation subsequent to
Haternood analysis of the Walker Hollow Unit.	
JUN 1.6 2008	
JUN 1.6 2008	
PRODUCTION DEPT.	
Process Hally and the second s	
NAME (PLEASEPRINT) Debra Harris TITLE Regulatory Comp	liance Coordinator
SIGNATURE AND LA A A A A A A A A A A A A A A A A A A	
DATE S/1/2008	
(This space for State use only)	
REQUEST DENIED Utah Division of Action is Necessary	DECEN/EN
Oll, Gas and Mining	RECEIVED
6/4/08	MAR 1 0 2008

(5/2000)

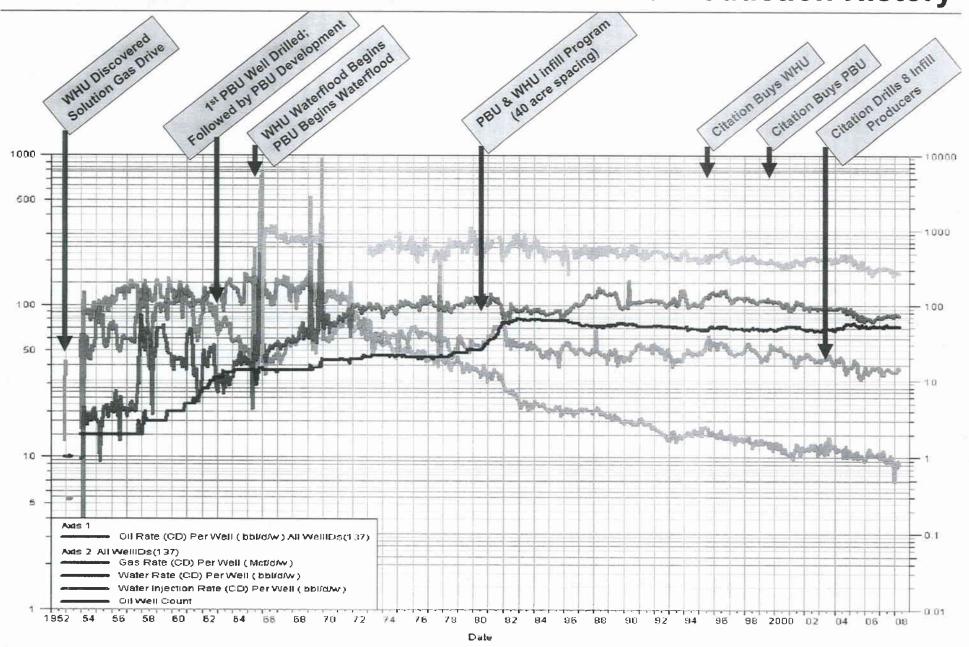
(See Instructions on Reverse Side)

MAR 1 0 2008

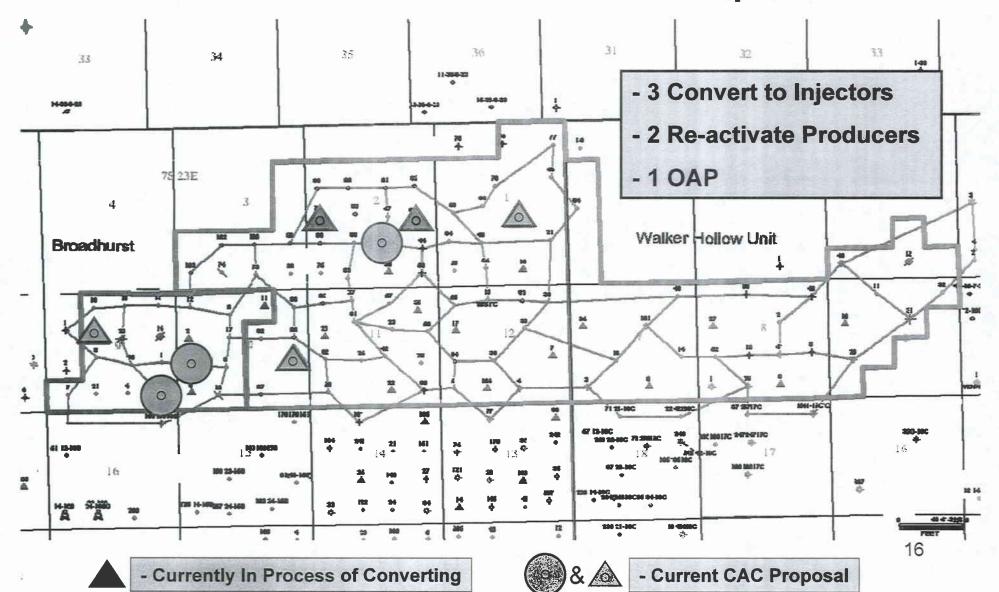
STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES

	LEASE DESIGNATION AND SERIAL NUMBER: SL066312 IF INDIAN, ALLOTTEE OR TRIBE NAME:				
SUNDR					
OIL WELL 2. NAME OF OPERATOR: Citation Oil & Gas Corp. 3. ADDRESS OF OPERATOR: P.O. Box 690688 4. LOCATION OF WELL FOOTAGES AT SURFACE: 297.5	OIL WELL GAS WELL OTHER Injection NAME OF OPERATOR: Citation Oil & Gas Corp. ADDRESS OF OPERATOR: P.O. Box 690688 CITY Houston STATE TX ZIP 77269-0688 (281) 517-7800 LOCATION OF WELL				
11. CHECK APP	ROPRIATE BOXES TO INDICA	ATE NATURE OF NOTICE, REPO	UTAH		
TYPE OF SUBMISSION		TYPE OF ACTION	OR OTHER DATA		
NOTICE OF INTENT (Submit in Duplicate) Approximate date work will start:	ACIDIZE ALTER CASING CASING REPAIR CHANGE TO PREVIOUS PLANS	DEEPEN FRACTURE TREAT NEW CONSTRUCTION OPERATOR CHANGE	REPERFORATE CURRENT FORMATION SIDETRACKTO REPAIR WELL TEMPORARILY ABANDON TUBING REPAIR		
SUBSEQUENT REPORT (Submit Original Form Only) Date of work completion:	CHANGE TUBING CHANGE WELL NAME CHANGE WELL STATUS COMMINGLE PRODUCING FORMATION CONVERT WELL TYPE	PLUG AND ABANDON PLUG BACK PRODUCTION (START/RESUME) RECLAMATION OF WELL SITE RECOMPLETE - DIFFERENT FORMATION	VENT OR FLARE WATER DISPOSAL WATER SHUT-OFF OTHER: Retain Shut In Status		
Later 12 Section 1	108 108	well in a shut in status pending pot	ential reactivation subsequent to		
NAME (PLEASE PRINT) Debra Has SIGNATURE	erris Ura Harris	TITLE Regulatory Com	pliance Coordinator RECEIVED		
	II. Gas and Mining Act	al Approval Of This tion Is Necessary	MAR 1 0 2008 DIV. OF OIL, GAS & MINING		

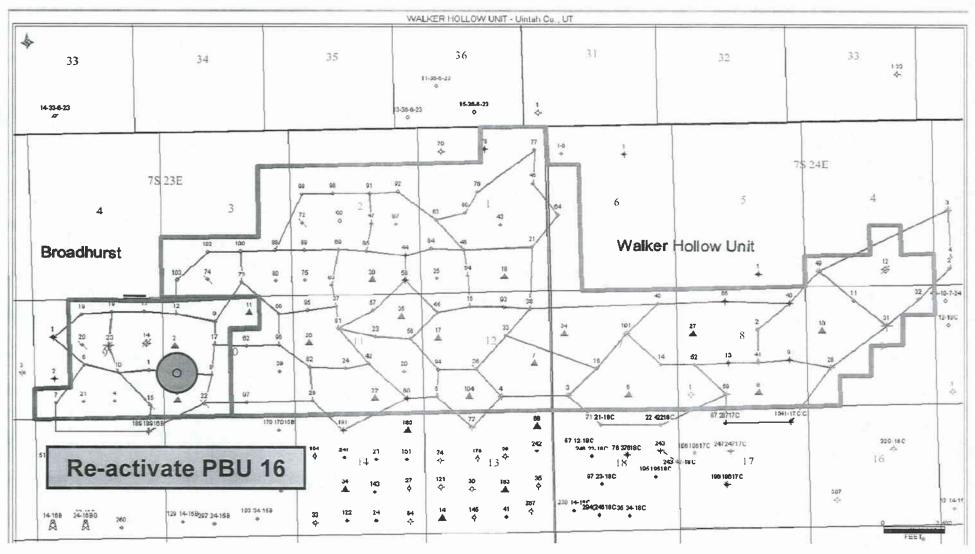
Walker Hollow Unit / Pearl Broadhurst Unit Production History



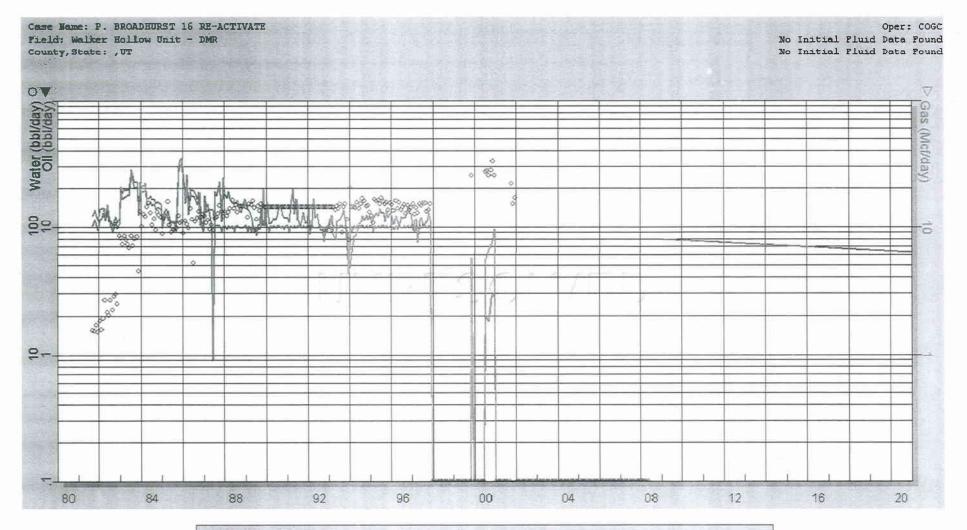
Phase 1 of Field Development



PBU 16 Location



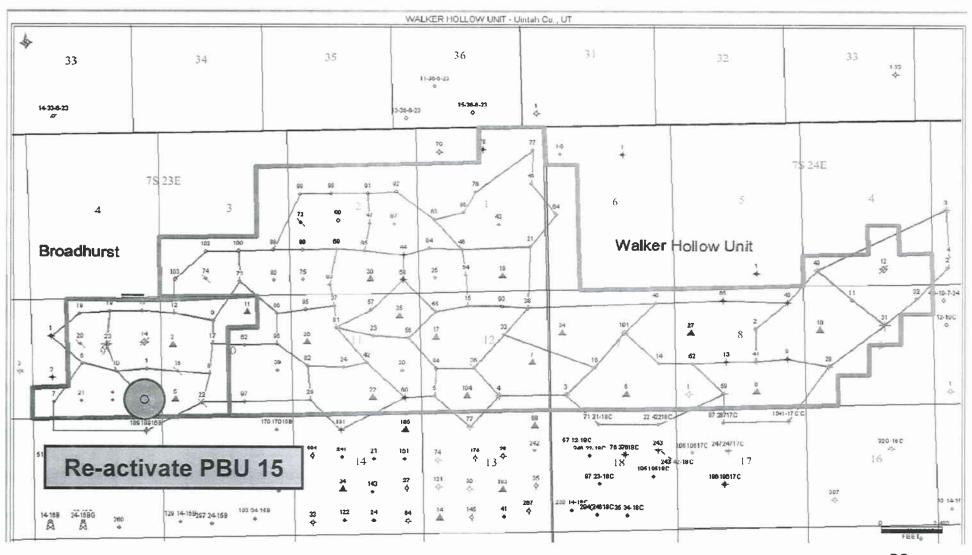
Production History for PBU 16



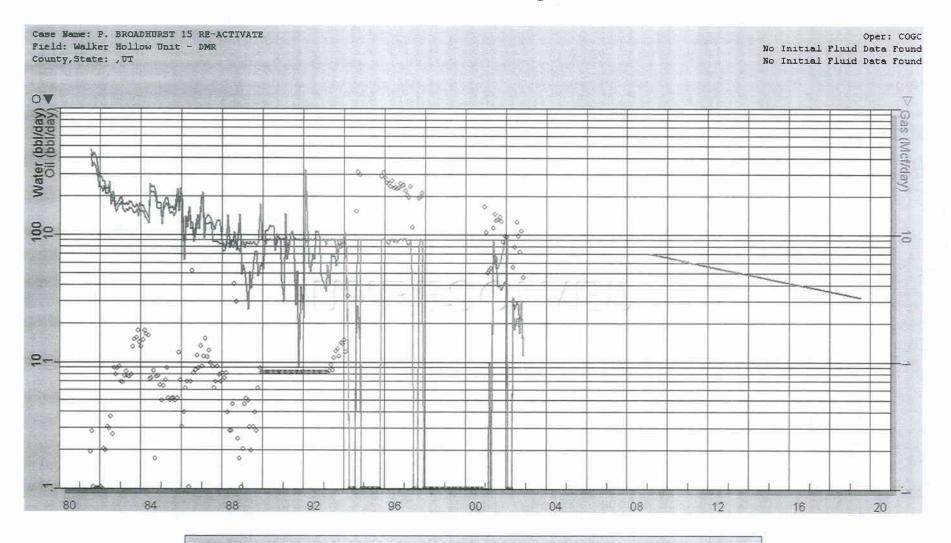
*2000-2001: Well turned on without stimulation

**Proposal: Re-activate and stimulate PBU 15

PBU 15 Location



Production History for PBU 15



*2000-2001: Well turned on without stimulation

**Proposal: Re-activate and stimulate PBU 15



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY REGION 8

1595 Wynkoop Street
DENVER, CO 80202-1129
Phone 800-227-8917
http://www.epa.gov/region08

OCT 0 8 2006

Ref: 8P-W-GW

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Sharon Ward Citation Oil and Gas Corporation P.O. Box 690688 Houston, TX 72269-0688

> Re: Application Administratively Complete EPA UIC Permit UT21197-08242 Well: USA Pearl Broadhurst 20 Uintah County, UT

Dear Ms. Ward:

The purpose of this letter is to inform you that the underground injection permit application you recently submitted to the U.S. Environmental Protection Agency (EPA) Region 8 Ground Water Program Office, for an Underground Injection Control (UIC) Program permit for the above referenced well or project area, has been reviewed and is considered by the Director to be administratively complete pursuant to Code of Federal Regulations Title 40 Part 124 Section 3 (40 CFR §124.3). Please note that although your application included required documentation for demonstrating financial responsibility, the Director may revise the total amount of financial responsibility required based on cost estimates for the approved plugging and abandonment plan.

The EPA UIC Permit number listed above has been assigned to your EPA UIC permit application. Please reference this number when contacting the EPA regarding this application. Your application will be assigned to a UIC Permit Writer and processed in the order it was received.

The Permit Writer will contact you when he or she begins work on a permit application. The Permit Writer will evaluate the technical merits of the permit application, and will begin preparing a draft permit decision and statement of basis. Although a permit application is considered to be administratively complete, if the Permit Writer requires additional information in order to clarify, modify, or supplement the technical or other information submitted with the permit application, the Permit Writer will contact you.

Pursuant to 40 CFR §124.6, the Director will tentatively decide whether to prepare a draft permit or to deny the permit application. If the Director tentatively decides to deny the permit application, EPA will issue public notice of intent to deny and you will be notified by letter when the public notice of intent to deny is published for public comment. If the Director decides to prepare a draft permit, the Permit Writer will complete the draft UIC permit, statement of basis, and public notice of the draft permit.

After the draft UIC permit has been prepared, the draft UIC permit will be made available for public comment, with the opportunity for a public hearing, for a minimum of thirty (30) days. When the draft UIC permit is issued for public comment, you will be notified by letter and provided with a copy of the draft UIC permit, statement of basis and public notice. Following closure of the public notice and public comment period, the Director will issue a final UIC permit decision.

If you have questions regarding progress on your UIC permit application before you are notified that a Permit Writer has been assigned, please contact Douglas Minter at (303) 312-6079. After the Permit Writer has been assigned, please contact that person with your questions.

Sincerely,

Steven J. Pratt, P.E., CAPM (inactive) Director, Ground Water Program

cc:

Uintah & Ouray Business Committee:

Curtis Cesspooch, Chairman Ronald Groves, Councilman Irene Cuch, Vice-Chairwoman Steven Cesspooch, Councilman Phillip Chimburas, Councilman Frances Poowegup, Councilwoman

Michelle Sabori
Acting Director
Land Use Department
Ute Indian Tribe

Larry Love Director of Energy & Minerals Dept. Ute Indian Tribe

Elaine Willie GAP Coordinator, Ute Indian Tribe

Daniel Picard BIA - Uintah & Ouray Indian Agency

Gil Hunt Assistant Director Utah Division of Oil, Gas, and Mining

Matt Baker Fluid Minerals Engineering Office BLM - Vernal Office

Robin Hansen Fluid Minerals Engineering Office BLM - Vernal Office

Stan Perkes Solid Minerals Office Bureau of Land Management

FORM 9

STATE OF UTAH

DEPARTMENT OF NATURAL RESOURCES

	DIVISION OF OIL, GAS AND MI		5. LEASE DESIGNATION AND SERIAL NUMBER: U-02651-A
SUNDRY	Y NOTICES AND REPORTS	S ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
	new wells, significantly deepen existing wells below cur aterals. Use APPLICATION FOR PERMIT TO DRILL !	rrent bottom-hole depth, reenter plugged wells, or to form for such proposals.	7. UNIT or CA AGREEMENT NAME: USA Pearl Broadhurst
TYPE OF WELL OIL WELL	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20		
2. NAME OF OPERATOR:		- 	9. API NUMBER:
Citation Oil & Gas Corp. 3. ADDRESS OF OPERATOR:		PHONE NUMBER:	4304730941 10. FIELD AND POOL, OR WILDCAT:
P O Box 690688	Houston STATE TX ZIF	77260 (281) 517-7800	Walker Hollow Green River
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980.	FNL & 1978 FWL	。 1. 10. 10. 15. 15. 15. 15. 15. 15. 15. 15. 15. 15	COUNTY: Uintain
QTR/QTR, SECTION, TOWNSHIP, RAP	NGE, MERIDIAN: SENW 9 7S 2	23E	STATE: UTAH
	ROPRIATE BOXES TO INDICAT	TE NATURE OF NOTICE, REPO	ORT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
C SUBSEQUENT PERSON	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	L PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
,	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
12. DESCRIBE PROPOSED OR C	OMPLETED OPERATIONS. Clearly show all	pertinent details including dates, depths, v olu	mes, etc.
Citation Oil & Gas Corp. procedure. Application w	plans to convert the USA Pearl B vas submitted to state and EPA o	roadhurst 20 to injection upon E n. EPA approval is anticipated t	EPA approval with attached his year.
			•
		4	
			•
NAMÉ (PLEASE PRINT) Sharon V	Vard	TITLE Permitting Man	ager
SIGNATURE	larou ward	DATE 9/16/2008	
(This space for State use only)		the state of the s	

Form 3160-5 (August, 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR **BUREAU OF LAND MANAGEMENT**

FORM APPROVED OMB No. 1004-0137

Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS				5. Lease Serial No. UTU 02651A 6. If Indian, Allottee, or Tribe Name				
	RIPLICATE - Other In			703873.	7. If Unit or	CA, Agreeme	ent Name a	ind/or No.
1. Type of Well Oil Well Gas Well	X Other		ion to Injec	tion			 .	
2. Name of Operator	A 0 1 1 1 1 1 1 1 1 1	Convers	ion to injec	uon .	TICA Deam	d Dana dhaa	4	20
Citation Oil & Gas Corp.					USA Pear 9. API Well		ŗsi	20
3a. Address		3b. Pho	one No. (includ	le area code)	1			
P O Box 690688 Houston, Texas 77269			281-51	7-7800	10. Field and		17-3094	
4. Location of Well (Footage, Sec., T., R.,	M., or Survey Description)	<u></u> I	_at.		- †	lker Holl	•	
SE NW	9 T 7S I	R 23E L	ong.		11. County of			
12. CHECK APPROPRI	ATE BOX(S) TO INDIC	ATE NATUR	RE OF NOT	ICE REPORT O				Utah
TYPE OF SUBMISSION	()			PE OF ACTION	- CONTRACT			-
Notice of Intent	Acidize				= .			
[X] Notice of filterit		Deepen		Production (S	tart/ Resume)	닏	Water Shu	
	Altering Casing	Fracture	Treat	Reclamation		, Ц	Well Integ	rity
Subsequent Report	Casing Repair	New Co.	nstruction	Recomplete			Other .	,
•	Change Plans	Plug and	l abandon	Temporarily A	bandon			······································
Final Abandonment Notice	X Convert to Injection	Plug bac	k	Water Dispos	al			
Citation has filed and applie to injection per the attached OCT 2 2 20 PRODUCTION	1 procedures.	d state of Ut	tah to conv	vert the USA Pea	rl Broadhu	DEPT OF THE INTERIOR	2000 SEP 19 PM 12 57	VERNAL FIELD OFFICE
14. I hereby certify that the foregoing is to Name (Printed/Typed) Sharo	ne and correct.		Title		Permitting	g Manager		
Signature Shan Q1	(Dard		Date					
	, THIS SPACE	FOR FEDER	RAL OR S	TATE OFFICE U	16-Se	-p-08		
5/						T	orn	0.0.0000
Approved by Conditions of popoval, if any c attach certify that the opplicant holds legal or e	ned. Approval of this notice de	oes not warrant	or	um Engi	neer	Date	JLP.	<u>2 9 2008 </u>
	licant to conduct ope	rations there	on.	on knowingly and	Ifully to mail	nata dana s		Annal of the YES
States any false fictitions or fraudulent state	mente or representations on to an	ount it a cillile	ioi any perse	on knowingly and wi	плину то таке	any departs	nent or a	gency of the United

(Instructions on page 2)

CONDITIONS OF APPROVAL

Citation Oil & Gas Corp.

Notice of Intent Well Conversion to Injection

The well conversion to injection is approved with the following conditions:

- 1. This approval is conditional on Citation Oil & Gas Corp. receiving prior approval from the Agency with UIC approval primacy, EPA or State of Utah.
- 2. The UIC approval shall be submitted to the BLM Vernal Field Office.

This is an Order of the Authorized Officer (see 43 CFR 3162.1(a)). Please see 43 CFR 3165.3 for information on your review and appeal rights. If you have any questions, please feel free to contact Ryan Angus of this office at (435) 781-4430.

WORKOVER PROCEDURE

PROJECT:	Pearl Broad	thurst Unit 20	0: OAP and C	Convert to Water	r Injection We	ell
DRILLED &	& COMPLET	ED: <u>9/81</u>	LAST W	O: <u>3/05 – Pull</u>	ed & LD rods	& tubing
LOCATION	I: <u>1980' FN</u>	IL & 1978' F	WL, SE NW	Sec. 9, T7S, R2	3E	
FIELD:	Red Wash			COUNTY	: Uintah	STATE: UT
TD: <u>5563</u>	<u>, кв</u> ьвл	D: <u>5512</u> , F	KB DATU	JM: <u>5124' G</u> J	<u>L</u> KI	3 to GL: <u>13'</u>
CASING AND LINER RECORD						
SIZE	WEIGHT	DEPTH	CEMENT	HOLE SIZE	TOC	REMARKS
8 5/8"	24#	492'	365 sx	12 1/4"	SURFACE	CIRC'D
5 1/2"	14#	5563'	1230 sx	7 7/8"	SURFACE	CIRC'D
PRESENT I	FORMATION	AND COM	PLETION: _	Green River: 4	695' – 5429'	OA
TUBING:	Pulled & lai	d down rods	& tubing (3/0:	5)		
ROD DETAIL:						

PROCEDURE

MISC.: 9/17/01 - Well SI: Uneconomic to repair clutch on PU. Well test: 1 BOPD + 71 BWPD

- MI & rack ~5550' 2 7/8" 6.5 ppf N-80 8rd EUE workstring tubing.
- MI & rack ~5350' 2 7/8" 6.5 ppf J-55 8rd EUE IPC injection tubing.
- MI RU PU. ND WH. NU BOP. PU & Talley RIH w/ 4 3/4" MT bit, scraper & SN on 2 7/8" WS to PBTD @ ± 5512' KB. RU pump truck & CHC. POOH & LD bit & scraper.
- 2. MI RU WL Unit & pack-off. PU & RIH w/ perf gun. Correlate to Open-hole and/or CBL/GR Log supplied by Reservoir Department to perforate & "re-perforate" the following intervals w/ 4 spf @ 90° phasing:

Formation	Interval	# feet	# Perfs	
DLla	5426' – 5429'	3		
DLla	5418' - 5422'	4	17	
8D	5403' - 5408'	5	21	
8C	5336' - 5344'	8	33	
	5322' - 5328'	6	25	

- 4. POOH & LD perf gun. RD MO WL Unit.
- 5. PU & Hydrotest (5000 psi) RIH w/ 5 1/2" PPI PKR (w/ 10' spacing & SCV) & SN on 2 7/8" WS tubing to ± 5450'. Set RBP & PT in blank pipe to 3000 psi. Release PKR & PUH w/ PKR & set above lower perf interval to be stimulated.

6. MI RU Acid pump truck. Breakdown & Stimulate perforations utilizing PPI PKR. After initial breakdown, displace acid with a high rate in order to achieve penetration & clean-up perforations. Record rates & pressures of each setting along with ISIP, 5, 10 & 15 min SIP's. The following is a guideline for stimulating in5 settings using ~125 gals/ft or a total of 3,250 gals of 15% NeFE Acid:

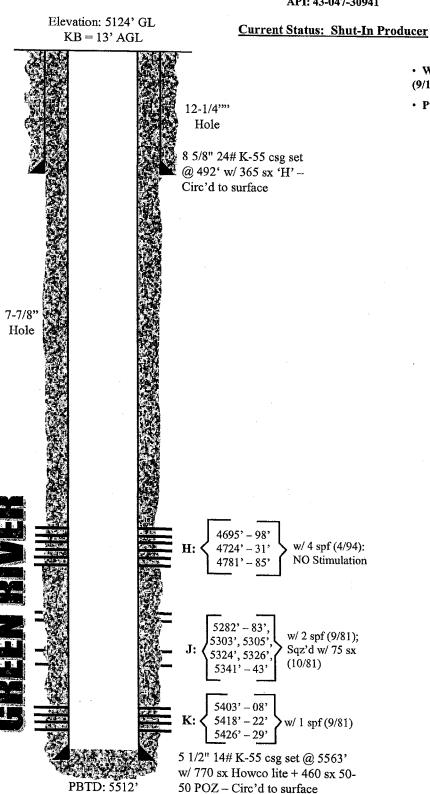
Formation	Perf Interval	# feet	Gallons of Acid
DLla	5426' 5429'	3	375
DLla	5418' – 5422'	4	500
8D	5403' - 5408'	5	625
8C	5336' – 5344'	8	1000
8C	5322' - 5328'	6	750
Totals	5 Settings	26	3250

Displace acid to perfs. RD MO Acid pump truck.

- 7. PUH & set PPI PKR @ ± 5300°. RIH w/ sandline & fishing tool to retrieve SV in PPI PKR. Overdisplace acid w/ clean produced water to bottom perf. SD 30 minutes.
- 8. RU swab & swab back load. Release PKR & POOH LD WS & PKR.
- 5. PU & RIH w/27/8" injection assembly as follows (top → bottom) KB correction of 10':
 - ± 148 jts 2 7/8" 6.5 ppr J-55 8rd EUE IPC tubing (± 4640')
 - 2 7/8" x 5 1/2" Baker model "AR-1" Snap-Set compression PKR (± 6.1') set @ ± 4650' KBM
 - ± 20 jts 2 7/8" 6.5 ppf J-55 8rd EUE IPC tubing (± 650')
 - 2 7/8" x 5 1/2" Baker model "R" PKR (± 7.58') set @ ± 5300' KBM EOT @ ± 5308' KBM
- 6. Set model "R" PKR @ \pm 5300'. Set "AR-1" Snap-Set PKR at \pm 4650'.
- 7. RU pump truck. Load annulus & PT to 1500 psi. Release PKR's & circulate hole w/ PKR FL (NOTE: Annular capacity to bottom PKR is ~87 Bbls). Reset PKR's. Load annulus w/ PKR FL. PT annulus to 1500 psi.
- 8. ND BOP. NU WH. Perform MIT as per BLM & Utah regulations. RD pump truck. RD MO PU.
- 9. Install injection line. Wait on injection permit approval.
- 10. After approval is received initiate injection at desired rates.
- 11. Monitor until rates stabilize. Run injection profile.

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E **UINTAH CO., UTAH**

API: 43-047-30941



Original PBTD = 5523'

TD: 5563'

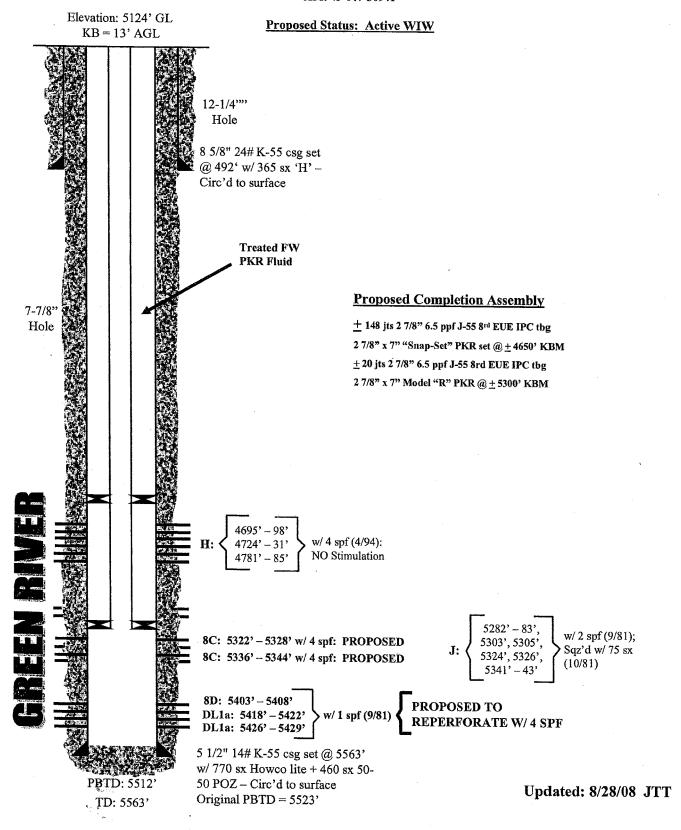
- · Well SI uneconomic to repair clutch on PU (9/17/01). Well test: 1 BO + 71 BWPD
- Pulled & LD tbg & rods (3/05)

10/81 Stimulation: (K only) Broke perfs w/ 750 gal 7.5% HCL-MSR ISI: 1200# 10/81 Frac: 30,000 gal Super "K-1" 35,000 # 20-40 sand 13,100 # 10-20 sand 15 BPM @ 5000#, ISI: 2000#

Updated: 8/28/08 JTT

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 WIW 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E UINTAH CO., UTAH

API: 43-047-30941



FORM 9 STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES 5. LEASE DESIGNATION AND SERIAL NUMBER: DIVISION OF OIL, GAS AND MINING UTU 02651A 6. IF INDIAN, ALLOTTEE OR TRIBE NAME: SUNDRY NOTICES AND REPORTS ON WELLS 7. UNIT or CA AGREEMENT NAME: Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals. **USA Pearl Broadhurst** 8. WELL NAME and NUMBER: 1. TYPE OF WELL OIL WELL 🗸 GAS WELL OTHER USA Pearl Broadhurst 20 2. NAME OF OPERATOR: 9. API NUMBER: 4304730941 Citation Oil & Gas Corp. 3. ADDRESS OF OPERATOR PHONE NUMBER: 10. FIELD AND POOL OR WILDCAT: Walker Hollow Green River (281) 517-7800 P O Box 690688 71D 77269 Houston ΤX 4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL & 1978' FWL COUNTY: Uintah **7S** 23E QTR/QTR. SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW STATE: **UTAH** CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA TYPE OF SUBMISSION TYPE OF ACTION REPERFORATE CURRENT FORMATION **ACIDIZE** DEEPEN NOTICE OF INTENT ALTER CASING FRACTURE TREAT SIDETRACK TO REPAIR WELL (Submit in Duplicate) Approximate date work will start: CASING REPAIR NEW CONSTRUCTION TEMPORARILY ABANDON OPERATOR CHANGE TUBING REPAIR CHANGE TO PREVIOUS PLANS CHANGE TUBING PLUG AND ABANDON VENT OR FLARE SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK WATER DISPOSAL (Submit Original Form Only) WATER SHUT-OFF CHANGE WELL STATUS PRODUCTION (START/RESUME) Date of work completion: COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE OTHER: Pending conversion to WIW CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION 12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. Citation Oil & Gas Corp. requests approval to retain this well in a temporarily abandoned status pending conversion to injection. We have applied to EPA for approval to convert this well to injection per the attached and have received BLM approval of the conversion procedures on 9/29/2008. **COPY SENT TO OPERATOR** Date: 8 1/2 2019 Initials: Regulatory Compliance Coordinator Debra Harris TITLE NAME (PLEASE PRINT) 8/4/2009 REQUEST DENIED (This space for State use only) RECEIVED Utah Division of Federal Approval Of This Cit, Gas, and Mining

Action Is Necessary

nstructions on Reverse Side)

AUG 10 2009



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

REGION 8 1595 WYNKOOP STREET DENVER, CO 80202-1129 http://www.epa.gov/region8

MAY 1 3 2010

Ref: 8P-W-GW

CERTIFIED MAIL RETURN RECEIPT REQUESTED

Sharon Ward Citation Oil and Gas Corporation P.O. Box 690688 Houston, TX 77269-0688 Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY

Re: FINAL Permit

EPA UIC Permit UT21197-08242 Well: USA Pearl Broadhurst 20 SENW Sec. 9-T7S-R23E Uintah County, UT API No.: 43-047-30941

Dear Ms. Ward:

Enclosed is your copy of the FINAL Underground Injection Control (UIC) Permit for the proposed USA Pearl Broadhurst 20 injection well. A Statement of Basis that discusses the conditions and requirements of this EPA UIC Permit, is also included.

The Public Comment period for this Permit ended on APR 3 0 2010 No comments on the Draft Permit were received during the Public Notice period; therefore the Effective Date for this EPA UIC Permit is the date of issuance. All conditions set forth herein refer to Title 40 Parts 124, 144, 146, and 147 of the Code of Federal Regulations (CFR) and are regulations that are in effect as of the Effective Date of this Permit.

Please note that under the terms and conditions of this Final Permit you are authorized only to construct the proposed injection well. Prior to commencing injection, you first must fulfill all "Prior to Commencing Injection" requirements of the Final Permit, Part II Section C.1, and obtain written Authorization to Inject from the EPA. It is your responsibility to be familiar with and to comply with all provisions of your Final Permit. The EPA forms referenced in the permit are available at http://www.epa.gov/safewater/uic/reportingforms.html. Guidance documents for Cement Bond Logging, Radioactive Tracer testing, Step Rate testing, Mechanical Integrity demonstration, Procedure in the Event of a Mechanical Integrity Loss, and other UIC guidances, are available at http://www.epa.gov/region8/water/uic/ deep_injection.html. Upon request, hard copies of the EPA forms and guidances can be provided.

MAY 1 9 2010



This EPA UIC Permit is issued for the operating life of the well unless terminated (Part III, Section B). The EPA may review this Permit at least every five (5) years to determine whether any action is warranted pursuant to 40 CFR § 144.36(a).

If you have any questions on the enclosed Final Permit or Statement of Basis, please call Bruce Suchomel of my staff at (303) 302 6001, or toll-free at (800) 227-8917, ext. 312-6001.

Sincerely,

Stephen S. Tuber

Assistant Regional Administrator

Office of Partnerships and Regulatory Assistance

enclosure:

Final UIC Permit

Statement of Basis

cc:

Uintah & Ouray Business Committee

The Honorable Curtis Cesspooch, Chairman

Ronald Groves, Councilman Irene Cuch, Vice Chairwoman Phillip Chimbraus, Councilman Frances Poowegup, Councilwoman

Daniel Picard

BIA - Uintah & Ouray Indian Agency

with enclosures:

Ferron Secakuku Director, Natural Resources Ute Indian Tribe

Gil Hunt Associate Director Utah Division of Oil, Gas, and Mining

Fluid Minerals Engineering Office BLM - Vernal Office

Robin Hansen Fluid Minerals Engineering Office BLM - Vernal Office

Larry Love Director of Energy & Minerals Dept. Ute Indian Tribe

\$EPA

UNDERGROUND INJECTION CONTROL PROGRAM PERMIT

PREPARED: May 2010

Permit No. UT21196-08241

Class II Enhanced Oil Recovery Injection Well

Walker Hollow Unit 43 Uintah County, UT

Issued To

 ${\bf Citation\ Oil\ _Gas\ Corporation}$

14077 Cutten Rd Houston, TX 77069

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Part I. AUTHORIZATION TO CONSTRUCT AND OPERATE

Under the authority of the Safe Drinking Water Act and Underground Injection Control (UIC) Program regulations of the U. S. Environmental Protection Agency (EPA) codified at Title 40 of the
Code of Federal Regulations (40 CFR) Parts 2, 124, 144, 146, and 147, and according to the
terms of this Permit,
Citation Oil & Gas Corporation
14077 Cutten Rd
Houston, TX 77069
is authorized to construct and to operate the following Class II injection well or wells: Walker Hollow Unit 43
2975 FSL 2960 FEL, NESW S1, T7S, R23E
Uintah County, UT
EPA regulates the injection of fluids into injection wells so that injection does not endanger underground sources of drinking water (USDWs). EPA UIC Permit conditions are based on authorities set forth at 40 CFR Parts 144 and 146, and address potential impacts to USDWs.

Under 40 CFR Part 144, Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General permit conditions for which the content is mandatory and not subject to site-specific differences are not discussed in this document. Issuance of this Permit does not convey any property rights of any sort or any exclusive privilege, nor does it authorize injury to persons or property or invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. (40 CFR §144.35) An EPA UIC Permit may be issued for the operating life of the injection well or project unless terminated for reasonable cause under 40 CFR §144.39, 144.40 and 144.41, and may be reviewed at least once every five (5) years to determine if action is required under 40 CFR §144.36(a).

This Permit is issued for the life of the well(s) unless modified, revoked and reissued, or terminated under 40 CFR §144.39 or 144.40. This EPA Permit may be adopted, modified, revoked and reissued, or terminated if primary enforcement authority for a UIC Program is delegated to an Indian Tribe or State. Upon the effective date of delegation, reports, notifications, questions and other correspondence should be directed to the Indian Tribe or State Director.

Issue Date:	MAY 1 3 2010	Effective Date _	MAY 1 3 2010	
A	AD. M			

Stephen S. Tuber

Assistant Regional Administrator*

Office of Partnerships and Regulatory Assistance

*NOTE: The person holding this title is referred to as the "Director" throughout this Permit.

PART II. SPECIFIC PERMIT CONDITIONS

Section A. WELL CONSTRUCTION REQUIREMENTS

These requirements represent the approved minimum construction standards for well casing and cement, injection tubing, and packer.

Details of the approved well construction plan are incorporated into this Permit as APPENDIX A. Changes to the approved plan that may occur during construction must be approved by the Director prior to being physically incorporated.

1. Casing and Cement.

The well or wells shall be cased and cemented to prevent the movement of fluids into or between underground sources of drinking water. The well casing and cement shall be designed for the life expectancy of the well and of the grade and size shown in APPENDIX A. Remedial cementing may be required if shown to be inadequate by cement bond log or other attempted demonstration of Part II (External) mechanical integrity.

2. Injection Tubing and Packer.

Injection tubing is required, and shall be run and set with a packer at or below the depth indicated in APPENDIX A. The packer setting depth may be changed provided it remains below the depth indicated in APPENDIX A and the Permittee provides notice and obtains the Director's approval for the change.

3. Sampling and Monitoring Devices.

The Permittee shall install and maintain in good operating condition:

- (a) a "tap" at a conveniently accessible location on the injection flow line between the pump house or storage tanks and the injection well, isolated by shut-off valves, for collection of representative samples of the injected fluid; and
- (b) one-half (1/2) inch female iron pipe fitting, isolated by shut-off valves and located at the wellhead at a conveniently accessible location, for the attachment of a pressure gauge capable of monitoring pressures ranging from normal operating pressures up to the Maximum Allowable Injection Pressure specified in APPENDIX C:
 - (i) on the injection tubing; and
 - (ii) on the tubing-casing annulus (TCA); and
- (c) a pressure actuated shut-off device attached to the injection flow line set to shut-off the injection pump when or before the Maximum Allowable Injection Pressure (MAIP) specified in APPENDIX C is reached at the wellhead; and
- (d) a non-resettable cumulative volume recorder attached to the injection line.

4. Well Logging and Testing

Well logging and testing requirements are found in APPENDIX B. The Permittee shall ensure the log and test requirements are performed within the time frames specified in APPENDIX B. Well logs and tests shall be performed according to current EPA-approved procedures. Well log and test results shall be submitted to the Director within sixty (60) days of completion of the logging or testing activity, and shall include a report describing the methods used during logging or testing and an interpretation of the test or log results.

5. Postponement of Construction or Conversion

The Permittee shall complete well construction within one year of the Effective Date of the Permit, or in the case of an Area Permit within one year of Authorization of the additional well. Authorization to construct and operate shall expire if the well has not been constructed within one year of the Effective Date of the Permit or Authorization and the Permit may be terminated under 40 CFR 144.40, unless the Permittee has notified the Director and requested an extension prior to expiration. Notification shall be in writing, and shall state the reasons for the delay and provide an estimated completion date. Once Authorization has expired under this part, the complete permit process including opportunity for public comment may be required before Authorization to construct and operate may be reissued.

6. Workovers and Alterations

Workovers and alterations shall meet all conditions of the Permit. Prior to beginning any addition or physical alteration to an injection well that may significantly affect the tubing, packer or casing, the Permittee shall give advance notice to the Director and obtain the Director's approval. The Permittee shall record all changes to well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workover, logging, or test data to EPA within sixty (60) days of completion of the activity.

A successful demonstration of Part I MI is required following the completion of any well workover or alteration which affects the casing, tubing, or packer. Injection operations shall not be resumed until the well has successfully demonstrated mechanical integrity and the Director has provided written approval to resume injection.

Section B. MECHANICAL INTEGRITY

The Permittee is required to ensure each injection well maintains mechanical integrity at all times. The Director, by written notice, may require the Permittee to comply with a schedule describing when mechanical integrity demonstrations shall be made.

An injection well has mechanical integrity if:

- (a) There is no significant leak in the casing, tubing, or packer (Part I); and
- (b) There is no significant fluid movement into an underground source of drinking water through vertical channels adjacent to the injection well bore (Part II).

1. Demonstration of Mechanical Integrity (MI).

The operator shall demonstrate MI prior to commencing injection and periodically thereafter. Well-specific conditions dictate the methods and the frequency for demonstrating MI and are discussed in the Statement of Basis. The logs and tests are designed to demonstrate both internal (Part I) and external (Part II) MI as described above. The conditions present at this well site warrant the methods and frequency required in Appendix B of this Permit.

In addition to these regularly scheduled demonstrations of MI, the operator shall demonstrate internal (Part I) MI after any workover which affects the tubing, packer or casing.

The Director may require additional or alternative tests if the results presented by the operator are not satisfactory to the Director to demonstrate there is no movement of fluid into or between USDWs resulting from injection activity. Results of MI tests shall be submitted to the Director as soon as possible but no later than sixty (60) days after the test is complete.

2. Mechanical Integrity Test Methods and Criteria

EPA-approved methods shall be used to demonstrate mechanical integrity. Ground Water Section Guidance No. 34 "Cement Bond Logging Techniques and Interpretation", Ground Water Section Guidance No. 37, "Demonstrating Part II (External) Mechanical Integrity for a Class II injection well permit", and Ground Water Section Guidance No. 39, "Pressure Testing Injection Wells for Part I (Internal) Mechanical Integrity" are available from EPA and will be provided upon request.

The Director may stipulate specific test methods and criteria best suited for a specific well construction and injection operation.

3. Notification Prior to Testing.

The Permittee shall notify the Director at least 30 days prior to any scheduled mechanical integrity test. The Director may allow a shorter notification period if it would be sufficient to enable EPA to witness the mechanical integrity test. Notification may be in the form of a yearly or quarterly schedule of planned mechanical integrity tests, or it may be on an individual basis.

4. Loss of Mechanical Integrity.

If the well fails to demonstrate mechanical integrity during a test, or a loss of mechanical integrity becomes evident during operation (such as presence of pressure in the TCA, water flowing at the surface, etc.), the Permittee shall notify the Director within 24 hours (see Part III Section E Paragraph 11(e) of this Permit) and the well shall be shut-in within 48 hours unless the Director requires immediate shut-in.

Within five days, the Permittee shall submit a follow-up written report that documents test results, repairs undertaken or a proposed remedial action plan.

Injection operations shall not be resumed until after the well has successfully been repaired and demonstrated mechanical integrity, and the Director has provided approval to resume injection.

Section C. WELL OPERATION

INJECTION BETWEEN THE OUTERMOST CASING PROTECTING UNDERGROUND SOURCES OF DRINKING WATER AND THE WELL BORE IS PROHIBITED.

Injection is approved under the following conditions:

1. Requirements Prior to Commencing Injection.

Well injection, including for new wells authorized by an Area Permit under 40 CFR 144.33 (c), may commence only after all well construction and pre-injection requirements herein have been met and approved. The Permittee may not commence injection until construction is complete, and

- (a) The Permittee has submitted to the Director a notice of completion of construction and a completed EPA Form 7520-10 or 7520-12; all applicable logging and testing requirements of this Permit (see APPENDIX B) have been fulfilled and the records submitted to the Director; mechanical integrity pursuant to 40 CFR 146.8 and Part II Section B of this Permit has been demonstrated; and
 - (i) The Director has inspected or otherwise reviewed the new injection well and finds it is in compliance with the conditions of the Permit; or
 - (ii) The Permittee has not received notice from the Director of his or her intent to inspect or otherwise review the new injection well within 13 days of the date of the notice in Paragraph 1a, in which case prior inspection or review is waived and the Permittee may commence injection.

2. Injection Interval.

Injection is permitted only within the approved injection interval, listed in APPENDIX C. Additional individual injection perforations may be added provided that they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6.

3. Injection Pressure Limitation

- (a) The permitted Maximum Allowable Injection Pressure (MAIP), measured at the wellhead, is found in APPENDIX C. Injection pressure shall not exceed the amount the Director determines is appropriate to ensure that injection does not initiate new fractures or propagate existing fractures in the confining zone adjacent to USDWs. In no case shall injection pressure cause the movement of injection or formation fluids into a USDW.
- (b) The Permittee may request a change of the MAIP, or the MAIP may be increased or decreased by the Director in order to ensure that the requirements in Paragraph (a) above are fulfilled. The Permitee may be required to conduct a step rate injection test or other suitable test to provide information for determining the fracture pressure of the injection zone. Change of the permitted MAIP by the Director shall be by modification of this Permit and APPENDIX C.

4. Injection Volume Limitation.

Injection volume is limited to the total volume specified in APPENDIX C.

5. Injection Fluid Limitation.

Injected fluids are limited to those identified in 40 CFR 144.6(b)(2) as fluids used for enhanced recovery of oil or natural gas, including those which are brought to the surface in connection with conventional oil or natural gas production that may be commingled with waste waters from gas plants which are an integral part of production operations unless those waters are classified as a hazardous waste at the time of injection, pursuant to 40 CFR 144.6(b). Non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes and vacuum truck wastes, are NOT approved for injection. This well is NOT approved for commercial brine injection, industrial waste fluid disposal or injection of hazardous waste as defined by CFR 40 Part 261. The Permittee shall provide a listing of the sources of injected fluids in accordance with the reporting requirements in Part II Section D Paragraph 4 and APPENDIX D of this Permit.

6. Tubing-Casing Annulus (TCA)

The tubing-casing annulus (TCA) shall be filled with water treated with a corrosion inhibitor, or other fluid approved by the Director. The TCA valve shall remain closed during normal operating conditions and the TCA pressure shall be maintained at zero (0) psi.

If TCA pressure cannot be maintained at zero (0) psi, the Permittee shall follow the procedures in Ground Water Section Guidance No. 35 "Procedures to follow when excessive annular pressure is observed on a well."

Section D. MONITORING, RECORDKEEPING, AND REPORTING OF RESULTS

1. Monitoring Parameters, Frequency, Records and Reports.

Monitoring parameters are specified in APPENDIX D. Pressure monitoring recordings shall be taken at the wellhead. The listed parameters are to be monitored, recorded and reported at the frequency indicated in APPENDIX D even during periods when the well is not operating.

Monitoring records must include:

- (a) the date, time, exact place and the results of the observation, sampling, measurement, or analysis, and;
- (b) the name of the individual(s) who performed the observation, sampling, measurement, or analysis, and;
- (c) the analytical techniques or methods used for analysis.

2. Monitoring Methods.

(a) Monitoring observations, measurements, samples, etc. taken for the purpose of complying with these requirements shall be representative of the activity or condition being monitored.

- (b) Methods used to monitor the nature of the injected fluids must comply with analytical methods cited and described in Table 1 of 40 CFR 136.3 or Appendix III of 40 CFR 261, or by other methods that have been approved in writing by the Director.
- (c) Injection pressure, annulus pressure, injection rate, and cumulative injected volumes shall be observed and recorded at the wellhead under normal operating conditions, and all parameters shall be observed simultaneously to provide a clear depiction of well operation.
- (d) Pressures are to be measured in pounds per square inch (psi).
- (e) Fluid volumes are to be measured in standard oil field barrels (bbl).
- (f) Fluid rates are to be measured in barrels per day (bbl/day).

3. Records Retention.

- (a) Records of calibration and maintenance, and all original strip chart recordings for continuous monitoring instrumentation, copies of all reports required by this permit, and records of all data used to complete the application for this permit shall be retained for a period of AT LEAST THREE (3) YEARS from the date of the sample, measurement, report, or application. This period may be extended anytime prior to its expiration by request of the Director.
- (b) Records of the nature and composition of all injected fluids must be retained until three (3) years after the completion of any plugging and abandonment (P&A) procedures specified under 40 CFR 144.52(a)(6) or under Part 146 Subpart G, as appropriate. The Director may require the Permittee to deliver the records to the Director at the conclusion of the retention period. The Permittee shall continue to retain the records after the three (3) year retention period unless the Permittee delivers the records to the Director or obtains written approval from the Director to discard the records.

4. Annual Reports.

Whether the well is operating or not, the Permittee shall submit an Annual Report to the Director that summarizes the results of the monitoring required by Part II Section D and APPENDIX D.

The first Annual Report shall cover the period from the effective date of the Permit through December 31 of that year. Subsequent Annual Reports shall cover the period from January 1 through December 31 of the reporting year. Annual Reports shall be submitted by February 15 of the year following data collection. EPA Form 7520-11 may be copied and shall be used to submit the Annual Report, however, the monitoring requirements specified in this Permit are mandatory even if EPA Form 7520-11 indicates otherwise.

Section E. PLUGGING AND ABANDONMENT

1. Notification of Well Abandonment, Conversion or Closure.

The Permittee shall notify the Director in writing at least forty-five (45) days prior to: 1) plugging and abandoning an injection well, 2) converting to a non-injection well, and 3) in the case of an Area Permit, before closure of the project.

2. Well Plugging Requirements

Prior to abandonment, the injection well shall be plugged with cement in a manner which isolates the injection zone and prevents the movement of fluids into or between underground sources of drinking water, and in accordance with 40 CFR 146.10 and other applicable Federal, State or local law or regulations. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.6 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. Prior to placement of the cement plug(s) the well shall be in a state of static equilibrium with the mud weight equalized top to bottom, either by circulating the mud in the well at least once or by a comparable method prescribed by the Director.

3. Approved Plugging and Abandonment Plan.

The approved plugging and abandonment plan is incorporated into this Permit as APPENDIX E. Changes to the approved plugging and abandonment plan must be approved by the Director prior to beginning plugging operations. The Director also may require revision of the approved plugging and abandonment plan at any time prior to plugging the well.

4. Forty Five (45) Day Notice of Plugging and Abandonment.

The Permittee shall notify the Director at least forty-five (45) days prior to plugging and abandoning a well and provide notice of any anticipated change to the approved plugging and abanonment plan.

5. Plugging and Abandonment Report.

Within sixty (60) days after plugging a well, the Permittee shall submit a report (EPA Form 7520-13) to the Director. The plugging report shall be certified as accurate by the person who performed the plugging operation. Such report shall consist of either:

- (a) A statement that the well was plugged in accordance with the approved plugging and abandonment plan; or
- (b) Where actual plugging differed from the approved plugging and abandonment plan, an updated version of the plan, on the form supplied by the Director, specifying the differences.

6. Inactive Wells.

After any period of two years during which there is no injection the Permittee shall plug and abandon the well in accordance with Part II Section E Paragraph 2 of this Permit unless the Permittee:

- (a) Provides written notice to the Director;
- (b) Describes the actions or procedures the Permittee will take to ensure that the well will not endanger USDWs during the period of inactivity. These actions and procedures shall include compliance with mechanical integrity demonstration, Financial Responsibility and all other permit requirements designed to protect USDWs; and
- (c) Receives written notice by the Director temporarily waiving plugging and abandonment requirements.

PART III. CONDITIONS APPLICABLE TO ALL PERMITS

Section A. EFFECT OF PERMIT

The Permittee is allowed to engage in underground injection in accordance with the conditions of this Permit. The Permittee shall not construct, operate, maintain, convert, plug, abandon, or conduct any other activity in a manner that allows the movement of fluid containing any contaminant into underground sources of drinking water, if the presence of that contaminant may cause a violation of any primary drinking water regulation under 40 CFR 142 or may otherwise adversely affect the health of persons. Any underground injection activity not authorized by this Permit or by rule is prohibited. Issuance of this Permit does not convey property rights of any sort or any exclusive privilege; nor does it authorize any injury to persons or property, any invasion of other private rights, or any infringement of any other Federal, State or local law or regulations. Compliance with the terms of this Permit does not constitute a defense to any enforcement action brought under the provisions of Section 1431 of the Safe Drinking Water Act (SDWA) or any other law governing protection of public health or the environment, for any imminent and substantial endangerment to human health or the environment, nor does it serve as a shield to the Permittee's independent obligation to comply with all UIC regulations. Nothing in this Permit relieves the Permittee of any duties under applicable regulations.

Section B. CHANGES TO PERMIT CONDITIONS

1. Modification, Reissuance, or Termination.

The Director may, for cause or upon a request from the Permittee, modify, revoke and reissue, or terminate this Permit in accordance with 40 CFR 124.5, 144.12, 144.39, and 144.40. Also, this Permit is subject to minor modification for causes as specified in 40 CFR 144.41. The filing of a request for modification, revocation and reissuance, termination, or the notification of planned changes or anticipated noncompliance on the part of the Permittee does not stay the applicability or enforceability of any condition of this Permit.

2. Conversions.

The Director may, for cause or upon a written request from the Permittee, allow conversion of the well from a Class II injection well to a non-Class II well. Conversion may not proceed until the Permittee receives written approval from the Director. Conditions of such conversion may include but are not limited to, approval of the proposed well rework, follow up demonstration of mechanical integrity, well-specific monitoring and reporting following the conversion, and demonstration of practical use of the converted configuration.

3. Transfer of Permit.

Under 40 CFR 144.38, this Permit is transferable provided the current Permittee notifies the Director at least thirty (30) days in advance of the proposed transfer date (EPA Form 7520-7) and provides a written agreement between the existing and new Permittees containing a specific date for transfer of Permit responsibility, coverage and liability between them. The notice shall adequately demonstrate that the financial responsibility requirements of 40 CFR 144.52(a)(7) will be met by the new Permittee. The Director may require modification or revocation and reissuance of the Permit to change the name of the Permittee and incorporate such other requirements as may be necessary under the Safe Drinking Water Act; in some cases, modification or revocation and reissuance is mandatory.

4. Permittee Change of Address.

Upon the Permittee's change of address, or whenever the operator changes the address where monitoring records are kept, the Permittee must provide written notice to the Director within 30 days.

5. Construction Changes, Workovers, Logging and Testing Data

The Permittee shall give advance notice to the Director, and shall obtain the Director's written approval prior to any physical alterations or additions to the permitted facility. Alterations or workovers shall meet all conditions as set forth in this permit. The Permittee shall record any changes to the well construction on a Well Rework Record (EPA Form 7520-12), and shall provide this and any other record of well workovers, logging, or test data to EPA within sixty (60) days of completion of the activity.

Following the completion of any well workovers or alterations which affect the casing, tubing, or packer, a successful demonstration of mechanical integrity (Part III, Section F of this Permit) shall be made, and written authorization from the Director received, prior to resuming injection activities.

Section C. SEVERABILITY

The Provisions of this Permit are severable, and if any provision of this Permit or the application of any provision of this Permit to any circumstance, is held invalid, the application of such provision to other circumstances, and the remainder of this Permit shall not be affected thereby.

Section D. CONFIDENTIALITY

In accordance with 40 CFR Part 2 and 40 CFR 144.5, information submitted to EPA pursuant to this Permit may be claimed as confidential by the submitter. Any such claim must be asserted at the time of submission by stamping the words "confidential business information" on each page containing such information. If no claim is made at the time of submission, EPA may make the information available to the public without further notice. If a claim is asserted, the validity of the claim will be assessed in accordance with the procedures in 40 CFR Part 2 (Public Information). Claims of confidentiality for the following information will be denied:

- The name and address of the Permittee, and
- information which deals with the existence, absence or level of contaminants in drinking water.

Section E. GENERAL PERMIT REQUIREMENTS

1. Duty to Comply.

The Permittee must comply with all conditions of this Permit. Any noncompliance constitutes a violation of the Safe Drinking Water Act (SDWA) and is grounds for enforcement action; for Permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application; except that the Permittee need not comply with the provisions of this Permit to the extent and for the duration such noncompliance is authorized in an emergency permit under 40 CFR 144.34. All violations of the SDWA may subject the Permittee to penalties and/or criminal prosecution as specified in Section 1423 of the SDWA.

2. Duty to Reapply.

If the Permittee wishes to continue an activity regulated by this Permit after the expiration date of this Permit, under 40 CFR 144.37 the Permittee must apply for a new permit prior to the expiration date.

3. Need to Halt or Reduce Activity Not a Defense.

It shall not be a defense for a Permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this Permit.

4. Duty to Mitigate.

The Permittee shall take all reasonable steps to minimize or correct any adverse impact on the environment resulting from noncompliance with this Permit.

5. Proper Operation and Maintenance.

The Permittee shall at all times properly operate and maintain all facilities and systems of treatment and control (and related appurtenances) which are installed or used by the Permittee to achieve compliance with the conditions of this Permit. Proper operation and maintenance includes effective performance, adequate funding, adequate operator staffing and training, and adequate laboratory and process controls, including appropriate quality assurance procedures. This provision requires the operation of back-up or auxiliary facilities or similar systems only when necessary to achieve compliance with the conditions of this Permit.

6. Permit Actions.

This Permit may be modified, revoked and reissued or teminated for cause. The filing of a request by the Permittee for a permit modification, revocation and reissuance, or termination, or a notification of planned changes or anticipated noncompliance, does not stay any permit condition.

7. Property Rights.

This Permit does not convey any property rights of any sort, or any exclusive privilege.

8. Duty to Provide Information.

The Permittee shall furnish to the Director, within a time specified, any information which the Director may request to determine whether cause exists for modifying, revoking and reissuing, or terminating this permit, or to determine compliance with this permit. The Permittee shall also furnish to the Director, upon request, copies of records required to be kept by this Permit. The Permittee is required to submit any information required by this Permit or by the Director to the mailing address designated in writing by the Director.

9. Inspection and Entry.

The Permittee shall allow the Director, or an authorized representative, upon the presentation of credentials and other documents as may be required by law, to:

(a) Enter upon the Permittee's premises where a regulated facility or activity is located or conducted, or where records must be kept under the conditions of this Permit;

- (b) Have access to and copy, at reasonable times, any records that must be kept under the conditions of this Permit;
- (c) Inspect at reasonable times any facilities, equipment (including monitoring and control equipment), practices, or operations regulated or required under this Permit; and,
- (d) Sample or monitor at reasonable times, for the purpose of assuring permit compliance or as otherwise authorized by the SDWA, any substances or parameters at any location.

10. Signatory Requirements.

All applications, reports or other information submitted to the Director shall be signed and certified according to 40 CFR 144.32. This section explains the requirements for persons duly authorized to sign documents, and provides wording for required certification.

11. Reporting Requirements.

- (a) Planned changes. The Permittee shall give notice to the Director as soon as possible of any planned changes, physical alterations or additions to the permitted facility, and prior to commencing such changes.
- (b) Anticipated noncompliance. The Permittee shall give advance notice to the Director of any planned changes in the permitted facility or activity which may result in noncompliance with permit requirements.
- (c) Monitoring Reports. Monitoring results shall be reported at the intervals specified in this Permit.
- (d) Compliance schedules. Reports of compliance or noncompliance with, or any progress reports on, interim and final requirements contained in any compliance schedule of this Permit shall be submitted no later than 30 days following each schedule date.
- (e) Twenty-four hour reporting. The Permittee shall report to the Director any noncompliance which may endanger human health or the environment, including:
 - (i) Any monitoring or other information which indicates that any contaminant may cause endangerment to a USDW; or
 - (ii) Any noncompliance with a permit condition or malfunction of the injection system which may cause fluid migration into or between USDWs.

Information shall be provided, either directly or by leaving a message, within twenty-four (24) hours from the time the permittee becomes aware of the circumstances by telephoning (800) 227-8917 and requesting EPA Region VIII UIC Program Compliance and Technical Enforcement Director, or by contacting the EPA Region VIII Emergency Operations Center at (303) 293-1788.

In addition, a follow up written report shall be provided to the Director within five (5) days of the time the Permittee becomes aware of the circumstances. The written submission shall contain a description of the noncompliance and its cause, the period of noncompliance including exact dates and times, and if the noncompliance has not been corrected the anticipated time it is expected to continue; and the steps taken or planned to reduce, eliminate, and prevent recurrence of the noncompliance.

- (f) Oil Spill and Chemical Release Reporting: The Permittee shall comply with all reporting requirements related to the occurence of oil spills and chemical releases by contacting the National Response Center (NRC) at (800) 424-8802, (202) 267-2675, or through the NRC website http://www.nrc.uscg.mil/index.htm.
- (g) Other Noncompliance. The Permittee shall report all instances of noncompliance not reported under paragraphs Part III, Section E Paragraph 11(b) or Section E, Paragraph 11(e) at the time the monitoring reports are submitted. The reports shall contain the information listed in Paragraph 11(e) of this Section.
- (h) Other information. Where the Permittee becomes aware that it failed to submit any relevant facts in the permit application, or submitted incorrect information in a permit application or in any report to the Director, the Permittee shall promptly submit such facts or information to the Director.

Section F. FINANCIAL RESPONSIBILITY

1. Method of Providing Financial Responsibility.

The Permittee shall maintain continuous compliance with the requirement to maintain financial responsibility and resources to close, plug, and abandon the underground injection well(s). No substitution of a demonstration of financial responsibility shall become effective until the Permittee receives written notification from the Director that the alternative demonstration of financial responsibility is acceptable. The Director may, on a periodic basis, require the holder of a permit to revise the estimate of the resources needed to plug and abandon the well to reflect changes in such costs and may require the Permittee to provide a revised demonstration of financial responsibility.

2. Insolvency.

In the event of:

- (a) the bankruptcy of the trustee or issuing institution of the financial mechanism; or
- (b) suspension or revocation of the authority of the trustee institution to act as trustee; or

(c) the institution issuing the financial mechanism losing its authority to issue such an instrument

the Permittee must notify the Director in writing, within ten (10) business days, and the Permittee must establish other financial assurance or liability coverage acceptable to the Director within sixty (60) days after any event specified in (a), (b), or (c) above.

The Permittee must also notify the Director by certified mail of the commencement of voluntary or involuntary proceedings under Title 11 (Bankruptcy), U.S. Code naming the owner or operator as debtor, within ten (10) business days after the commencement of the proceeding. A guarantor, if named as debtor of a corporate guarantee, must make such a notification as required under the terms of the guarantee.

APPENDIX A

WELL CONSTRUCTION REQUIREMENTS

See diagram.

The Walker Hollow Unit 43 enhanced oil recovery injection well is drilled to a depth of 5,655' near the bottom of the Douglas Creek Member of the Green River Formation.

FORMATION DATA:

* Base of USDWs:

Though Publication 92 shows the base of the USDWs at or near the surface, a commingled water sample from a well approximately 14,721 feet away, taken from 4,500 to 5,500 feet within the Green River Formation, shows the lowermost depth is 5,500'.

* Confining Zones:

GR - Evacuation Creek between 2,999' - 4,445'.

GR - Douglas Creek between 5,463' - 5,655'.

* Permitted Injection Zones:

Green River between 4,445' - 5,463'.

WELL CONSTRUCTION:

Surface Casing (9-5/8", 36# K-55) is set to a depth of 383' in a 12-1/4" hole, cemented to the surface using 350 sacks of cement.

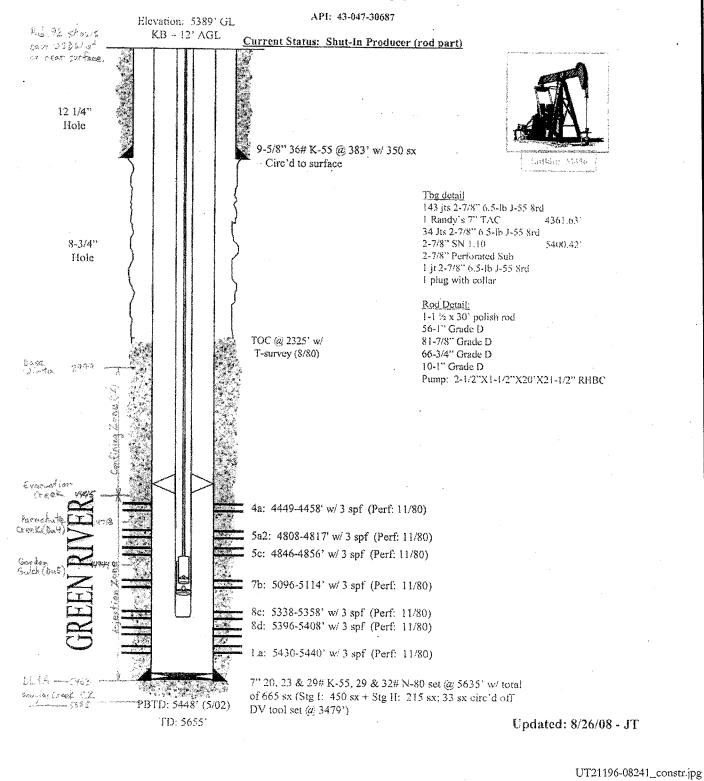
Production Casing (7", 20, 23 & 29# K-55, 29 & 32# N-80) is set to a depth of 5,635' in an 8-3/4" hole using 665 sacks of STG I: 450 sacks + Stg II: 215 sacks; 33 sacks are circulated off the DV tool set at 3,479'.

Perforations: The schematic diagram shows the proposed injection perforation areas into the Green River Formation.

The packer will be set no higher than 100 feet above the top perforation.

CITATION OIL & GAS CORP. WALKER HOLLOW UNIT #43 2975' FSL, 1960' FEL, (SW NE) Sec 1-T7S-R23E UINTAH CO., UTAH

ATTACHMENT C-1 page 5 of 5



APPENDIX B

LOGGING AND TESTING REQUIREMENTS

Logs.

Logs will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well logging required as a condition of this permit.

The CBL and RATS shown below are for the Injection Well.

If a temperature log is required, conduct the first temperature log within one year after authorization to inject. (See log table below.) Conduct temperature log frequency at least once every five years after the last successful demonstration of Part II MIT.

TYPE OF LOG	DATE DUE
TEMP	If CBL and RATS are unsuccessful, then a temperature log is required prior to authorization to inject to establish a baseline. See # paragraph above for specifics.
CBL/VDL/GAMMA RAY	If CBL does not show Part II MI, RATS is req'd prior to authorization to inject (unless a limited authorization to inject is obtained in order to produce a valid test) and least once every 5 years after the last successful demonstration of Part II MI
Porosity ·	Prior to receiving authorization to inject
RATS	If CBL does not show Part II MI, RATS is req'd prior to authorization to inject (unless a limited authorization to inject is obtained in order to produce a valid test) and least once every 5 years after the last successful demonstration of Part II MI

Tests.

Tests will be conducted according to current UIC guidance. It is the responsibility of the Permittee to obtain and use guidance prior to conducting any well test required as a condition of this permit.

The Cement Records shown below are for the WHU 86 AoR Well.

TYPE OF TEST	DATE DUE
Cement Records	Prior to receiving authorization to inject. (Or produce a CBL. If inadequate cement then one successful RATS
Injection Zone Water Sample	Prior to receiving authorization to inject, a representative sample (stabilized specific conductivity from three successive swab runs) from the injection zone will be analyzed for TDS, pH, Specific Gravity and Specific Conductivity
Standard Annulus Pressure	Prior to authorization to inject and at least once every five (5) years after the last successful demonstration of Part I Mechanical Integrity.
Pore Pressure	Prior to receiving authorization to inject
Step Rate Test	Prior to receiving authorization to inject. The SRT shal be performed following current EPA guidance.

APPENDIX C

OPERATING REQUIREMENTS

MAXIMUM ALLOWABLE INJECTION PRESSURE:

Maximum Allowable Injection Pressure (MAIP) as measured at the surface shall not exceed the pressure(s) listed below.

	MAXIMUM ALLOWED INJECTION PRESSURE (ps ZONE 1 (Upper)	
WELL NAME		
Walker Hollow Unit 43	1,665	

INJECTION INTERVAL(S):

Injection is permitted only within the approved injection interval listed below. Injection perforations may be altered provided they remain within the approved injection interval and the Permittee provides notice to the Director in accordance with Part II, Section A, Paragraph 6. Specific injection perforations can be found in Appendix A.

	APPROVED INJECTION INTERVAL (KB, ft)	FRACTURE GRADIENT
ORMATION NAME	TOP BOTTOM	(psi/ft)
Du4 (Parachute Creek)	4,445.00 - 4,718.00	0.770
Du5 (Garden Gulch)	4,718.00 - 4,944.00	0.770
Du6	4,944.00 - 5,053.00	0.760
Du7	5,053.00 - 5,257.00	0.760
Du8	5,257.00 - 5,332.00	0.780
Du8C	5,332.00 - 5,394.00	-0.830
Du8D	5,394.00 - 5,426.00	0.830
DL1A	5,426.00 - 5,463.00	0.910

ANNULUS PRESSURE:

The annulus pressure shall be maintained at zero (0) psi as measured at the wellhead. If this pressure cannot be maintained, the Permittee shall follow the procedures listed under Part II, Section C. 6. of this permit.

MAXIMUM INJECTION VOLUME:

There is no limitation on the number of barrels per day (bbls/day) of water that shall be injected into this well, provided further that in no case shall injection pressure exceed that limit shown in Appendix C.

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APPENDIX D

MONITORING AND REPORTING PARAMETERS

This is a listing of the parameters required to be observed, recorded, and reported. Refer to the permit Part II, Section D, for detailed requirements for observing, recording, and reporting these parameters.

OBSERVE AND RECORD	Injection pressure (psig)
	Annulus pressure(s) (psig)
	Injection rate (bbl/day)
	Fluid volume injected since the well began injecting (bbls)

ANNUALLY	
	Injected fluid total dissolved solids (mg/l)
ANALYZE	Injected fluid specific gravity
ANALYZE	Injected fluid specific conductivity
	Injected fluid pH

ANNUALLY	
	Each month's maximum and averaged injection pressures (psig)
	Each month's maximum and minimum annulus pressure(s) (psig)
DEDODT	Each month's injected volume (bbl)
REPORT	Fluid volume injected since the well began injecting (bbl)
	Written results of annual injected fluid analysis
	Sources of all fluids injected during the year

In addition to these items, additional Logging and Testing results may be required periodically. For a list of those items and their due dates, please refer to APPENDIX B - LOGGING AND TESTING REQUIREMENTS.

APPENDIX E

PLUGGING AND ABANDONMENT REQUIREMENTS

See diagram.

The well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs and in accordance with other applicable federal, State, or local law or regulation. Tubing, packers, and any downhole apparatus shall be removed. Class A, C, G, and H cements with additives such as accelerators and retarders that control or enhance cement properties, may be used for plugs. However, volume extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. Within 60 days after plugging, the owner or operator shall submit Plugging Record (EPA Form 7520-13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. At a minimum, the following plugs are required:

PLUG NO. 1: Seal Injection Zone Bottom: Set a Cast Iron Cement Retainer (CICR) or a Cast Iron Bridge Plug (CIBP) at a depth of 5,448', which is set below the injection zone, and at PBTD. (This helps protect any possible USDWs lying below the injection zone.) Set a cement plug of 200'.

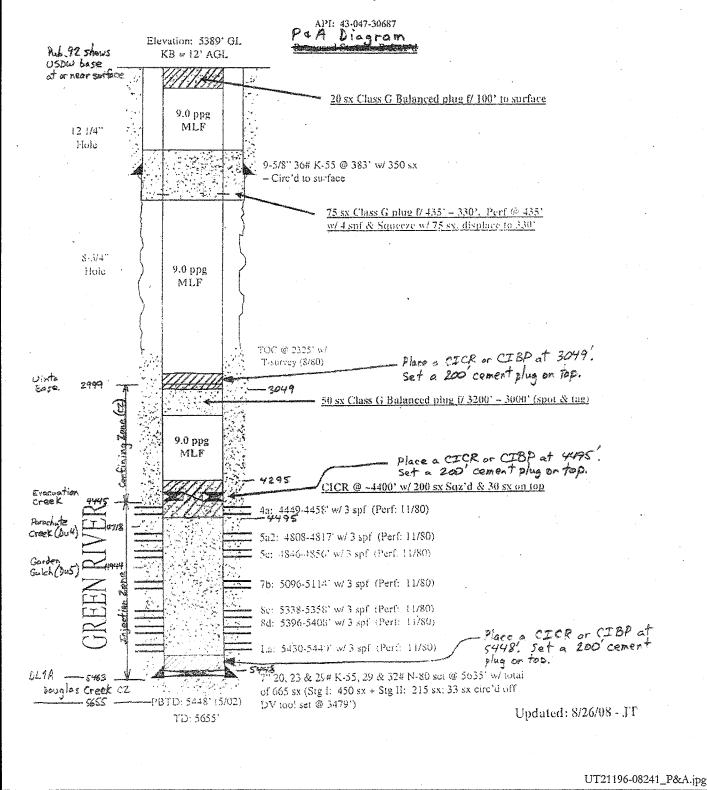
PLUG NO. 2: Seal Injection Zone Top: Set a CICR or a CIBP at a depth of 4,495' and set a 200' cement plug on top, which allows the plug to be more than 50' above the injection zone.

PLUG NO. 3: Seal Base of Uinta: Set a CICR or a CIBP at a depth of 3,049' and set a 200' cement plug on top. This protects any USDWs within the Uinta Formation.

PLUG NO. 4: Seal Surface: Place a cement plug across the 9-5/8" casing from 100' to the surface.

ATTACHMENT I-3

CITATION OIL & GAS CORP. WALKER HOLLOW UNIT #43 WIW 2975' FSL, 1960' FEL, (SW NE) Sec 1-T7S-R23E UINTAH CO., UTAH



APPENDIX F

CORRECTIVE ACTION REQUIREMENTS

No corrective action is deemed necessary for this project.

STATEMENT OF BASIS

CITATION OIL & GAS CORPORATION WALKER HOLLOW UNIT 43 UINTAH COUNTY, UT

EPA PERMIT NO. UT21196-08241

CONTACT: Bruce Suchomel

U. S. Environmental Protection Agency Ground Water Program, 8P-W-GW

1595 Wynkoop Street

Denver, Colorado 80202-1129

Telephone: 1-800-227-8917 ext. 312-6001

This STATEMENT OF BASIS gives the derivation of site-specific UIC Permit conditions and reasons for them. Referenced sections and conditions correspond to sections and conditions in the Permit.

EPA UIC permits regulate the injection of fluids into underground injection wells so that the injection does not endanger underground sources of drinking water. EPA UIC permit conditions are based upon the authorities set forth in regulatory provisions at 40 CFR Parts 144 and 146, and address potential impacts to underground sources of drinking water. Under 40 CFR 144.35 Issuance of this permit does not convey any property rights of any sort or any exclusive privilege, nor authorize injury to persons or property of invasion of other private rights, or any infringement of other Federal, State or local laws or regulations. Under 40 CFR 144 Subpart D, certain conditions apply to all UIC Permits and may be incorporated either expressly or by reference. General Permit conditions for which the content is mandatory and not subject to site-specific differences (40 CFR Parts 144, 146 and 147) are not discussed in this document.

PART I. General Information and Description of Facility

Citation Oil & Gas Corporation 14077 Cutten Rd Houston, TX 77069

on

September 15, 2008

submitted an application for an Underground Injection Control (UIC) Program Permit or Permit Modification for the following injection well or wells:

Walker Hollow Unit 43
2975 FSL 2960 FEL, NESW S1, T7S, R23E
Uintah County, UT

Regulations specific to Uintah-Ouray Indian Reservation injection wells are found at 40 CFR 147 Subpart TT.

The application, including the required information and data necessary to issue or modify a UIC Permit in accordance with 40 CFR Parts 144, 146 and 147, was reviewed and determined by EPA to be complete.

The Permit will expire upon delegation of primary enforcement responsibility (primacy) for applicable portions of the UIC Program to the Ute Indian Tribe or the State of Utah unless the delegated agency has the authority and chooses to adopt and enforce this Permit as a Tribal or State Permit.

TABLE 1.1 shows the status of the well or wells as "New", "Existing", or "Conversion" and for Existing shows the original date of injection operation. Well authorization "by rule" under 40 CFR Part 144 Subpart C expires automatically on the Effective Date of an issued UIC Permit.

TABLE 1.1 WELL STATUS / DATE OF OPERATION

NEW WELLS

Well Name

Well Status

Date of Operation

Walker Hollow Unit 43

New

N/A

PART II. Permit Considerations (40 CFR 146.24)

Hydrogeologic Setting

GREEN RIVER FORMATION

The Green River Formation is mostly lacustrine shale that contains some limestone, siltstone, and sandstone. The formation includes beds of oil shale and of carbonate evaporite. The Green River interfingers with both the overlying Uinta and the underlying Wasatch Formations, as well as laterally with other formations near the edges of the basin.

WASATCH FORMATION

In most of the basin, the Wasatch Formation is mainly lacustrine shale, sandstone, and conglomerate. It interfingers with the overlying and underlying formations and laterally with the North Horn, Currant Creek, and Green River Formations. The Wasatch outcrops only in the far eastern end of the northern Uinta Basin and in the canyons of deeply incised streams in the southern Uinta Basin.

The Wasatch Formation is very low to low permeability, except where fractured. In the Greater Altamont-Bluebell oil field, the Wasatch sands reportedly have only 4 to 5 percent porosity, but are permeable because of fracturing. Much of the water produced with petroleum is moderately saline to very saline; generally, however, the water is less mineralized than is water from the Green River Formation.

The Green River Formation is very low to low permeability except where fractured. Sandstones near oil-shale beds have values of transmissivity from 0.9 to 2.4 sq ft/day. In most of the basin the formation yields only saline or briny water.

Geologic Setting (TABLE 2.1)

The proposed injection well produced from and will inject into sandstone sequences found in the Green River Formation. In an Exxon study dated December, 1986, thirty-six sandstone sequences were identified in the Green River Formation in the productive depths at the Walker Hollow Unit. Nomenclature from this study has been adopted by Citation Oil and Gas. The Green River sandstone sequences were deposited in a lacustrine environment. The sandstone is predominantly very fine to fine grained and is characterized as forming coarsening upward sequences. Low energy shale deposits mark the bottom portion of the Green River sequences. These low energy intervals provide an impermeable barrier to flow between sandstone intervals. Shale barriers are also found interbedded with porous sandstone in the sandstone sequences. Likewise, these shale intervals also provide barriers to flow. Core evaluation indicates that reservoir quality porosity in the sandstone ranges from 10% to 20% and averages approximately 15%. Likewise the permeability ranges from 1md to 750md and averages approximately 25md. Overall, sequence thicknesses are very consistent across the Walker Hollow Unit area.

The injection is targeted for the Parachute Creek through the base of the Garden Gulch Member (Du 4 - DL1A) of the Green River Formation. Maximum neutron/density porosity ranges from 15% to 20% in these sandstone sequences.

TABLE 2.1 GEOLOGIC SETTING

Walker Hollow Unit 43

Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	Lithology
Uinta	0	2,999		sandstone, siltstone and shale
Green River (Evacuation Creek)	2,999	4,445		sandstone, siltstone and shale
Du4 (Parachute Creek)	4,445	4,718	2,579 - 3,592	sandstone, siltstone and shale
Du5 (Garden Gulch)	4,718	4,944	2,579 - 3,592	sandstone, siltstone and shale
Du6 .	4,944	5,053	2,579 - 3,592	sandstone, siltstone and shale
Du7	5,053	5,257	2,579 - 3,592	sandstone, siltstone and shale
Du8	5,257	5,332	2,579 - 3,592	sandstone, siltstone and shale
Du8C	5,332	5,394	2,579 - 3,592	sandstone, siltstone and shale
Du8D	5,394	5,426	2,579 - 3,592	sandstone, siltstone and shale
DL1A	5,426	5,463	2,579 - 3,592	sandstone, siltstone and shale
K (Douglas Creek)	5,463	5,655	2,579 - 3,592	sandstone, siltstone and shale

Proposed Injection Zone(s) (TABLE 2.2)

An injection zone is a geological formation, group of formations, or part of a formation that receives fluids through a well. The proposed injection zones are listed in TABLE 2.2.

Injection will occur into an injection zone that is separated from USDWs by a confining zone which is free of known open faults or fractures within the Area of Review.

The EPA approved interval for waterflood in the Walker Hollow Unit (WHU) 43 is located within several sandstone sequences within the Green River Formation between the depths of 4,445 to 5,463 feet. This injection zone is within a previously exempted aquifer. A commingled water sample taken between the depths of 4,500 - 5,500 feet from Battery #2, a well located approximately 14,721 feet from WHU 43, shows a TDS of 3,832 mg/l.

TABLE 2.2 INJECTION ZONES

Walker Hollow Unit 43

			Fracture Gradient		•	
Formation Name	Top (ft)	Base (ft)	TDS (mg/l)	(psi/ft)	Porosity	Exempted?*
Du4 (Parachute Creek)	4,445	4,718	2,579 - 3,592	0.770	17.50%	E
Du5 (Garden Gulch)	4,718	4,944	2,579 - 3,592	0.770	17.50%	E
Du6	4,944	5,053	2,579 - 3,592	0.760	17.50%	E
Du7	5,053	5,257	2,579 - 3,592	0.760	17.50%	E.
Du8	5,257	5,332	2,579 - 3,592	0.780	17.50%	E
Du8C	5,332	5,394	2,579 - 3,592	0.830	17.50%	E
Du8D	5,394	5,426	2,579 - 3,592	0.830	17.50%	E
DL1A	5,426	5,463	2,579 - 3,592	0.910	17.50%	Е

C - Currently Exempted

E - Previously Exempted

N/A - Not Applicable

Confining Zone(s) (TABLE 2.3)

A confining zone is a geological formation, part of a formation, or a group of formations that limits fluid movement above the injection zone. The confining zone or zones are listed in TABLE 2.3.

The Evacuation Creek Member of the Green River Formation, from 2,999 - 4,445 feet, is the upper confining zone. The K Member (Douglas Creek) of the Green River Formation, from 5,463 - 5,655 feet, is the lower confining zone.

TABLE 2.3 CONFINING ZONES

Walker Hollow Unit 43

Formation Name	Formation Lithology	Top (ft)	Base (ft)
Green River (Evacuation Creek)	sandstone, siltstone and shale	2,999	4,445
K (Douglas Creek)	sandstone, siltstone and shale	5,463	5,655

Underground Sources of Drinking Water (USDWs) (TABLE 2.4)

Aquifers or the portions thereof which contain less than 10,000 mg/l total dissolved solids (TDS) and are being or could in the future be used as a source of drinking water are considered to be USDWs. The USDWs in the area of this facility are identified in TABLE 2.4.

P - Proposed Exemption

The USDW shown in Table 2.4 is within a previously exempted aquifer. See attachment to permit:

Subpart TT - Utah

40 CFR Section 147.2251(c)(2)

"Re: Aguifer Exemption Process," June 16, 1982

TABLE 2.4 UNDERGROUND SOURCES OF DRINKING WATER (USDW)

Walker Hollow Unit 43

Formation Name	Formation Lithology	Top (ft)	Base (ft)	TDS	G (mg/l)
Green River	Sandstone, siltstone, and shale.	4,445	5,463	<	10,000

PART III. Well Construction (40 CFR 146.22)

TABLE 3.1 WELL CONSTRUCTION REQUIREMENTS

Walker Hollow Unit 43

Casing Type	Hole Size (in)	Casing Size (in)	Cased Interval (ft)	Cemented Interval (ft)
Surface	12.25	9.63 ·	0 - 383	0 - 383
Longstring	8.75	7.00	0 - 5,635	2,325 - 5,635

The approved well completion plan will be incorporated into the Permit as APPENDIX A and will be binding on the Permittee. Modification of the approved plan is allowed under 40 CFR 144.52(a)(1) provided written approval is obtained from the Director prior to actual modification.

Casing and Cementing (TABLE 3.1)

The construction plan for the well or wells proposed for conversion to an injection well was evaluated and determined to be in conformance with standard practices and guidelines that ensure well injection does not result in the movement of fluids into USDWs. Well construction and conversion details for the well or wells are shown in TABLE 3.1.

Tubing and Packer

Injection tubing is required to be installed from a packer up to the surface inside the well casing. The packer will be set above the uppermost perforation. The tubing and packer are designed to prevent injection fluid from coming into contact with the outermost casing.

Tubing-Casing Annulus (TCA)

The TCA allows the casing, tubing and packer to be pressure-tested periodically for mechanical integrity, and will allow for detection of leaks. The TCA will be filled with fresh water treated with a

corrosion inhibitor or other fluid approved by the Director.

Monitoring Devices

The permittee will be required to install and maintain wellhead equipment that allows for monitoring pressures and providing access for sampling the injected fluid. Required equipment may include but is not limited to: 1) shut-off valves located at the wellhead on the injection tubing and on the TCA; 2) a flow meter that measures the cumulative volume of injected fluid; 3) fittings or pressure gauges attached to the injection tubing and the TCA for monitoring the injection and TCA pressure; and 4) a tap on the injection line, isolated by shut-off valves, for sampling the injected fluid.

All sampling and measurement taken for monitoring must be representative of the monitored activity.

PART IV. Area of Review, Corrective Action Plan (40 CFR 144.55)

Table 4.1 shows "unknown" under Corrective Action Plan Required. This determination is currently unknown until demonstration of adequate 80% Cement Bond Index from a current Cement Bond Log, or a successful Radioactive Tracer Survey.

TABLE 4.1 AOR AND CORRECTIVE ACTION					
Well Name	Туре	Status (Abandoned Y/N)	Total Depth (ft)	TOC Depth (ft)	CAP Required (Y/N)
Walker Hollow Unit 86	Producer	No	5,374	3,860	Unk

TABLE 4.1 lists the wells in the Area of Review ("AOR") and shows the well type, operating status, depth, top of casing cement ("TOC") and whether a Corrective Action Plan ("CAP") is required for the well.

Area Of Review

Applicants for Class I, II (other than "existing" wells) or III injection well Permits are required to identify the location of all known wells within the injection well's Area of Review (AOR) which penetrate the injection zone, or in the case of Class II wells operating over the fracture pressure of the formation, all known wells within the area of review that penetrate formations which may be affected by increased pressure. Under 40 CFR 146.6 the AOR may be a fixed radius of not less than one quarter (1/4) mile or a calculated zone of endangering influence. For Area Permits, a fixed width of not less than one quarter (1/4) mile for the circumscribing area may be used.

Corrective Action Plan

For wells in the AOR which are improperly sealed, completed, or abandoned, the applicant shall develop a Corrective Action Plan (CAP) consisting of the steps or modifications that are necessary to prevent movement of fluid into USDWs.

The CAP will be incorporated into the Permit as APPENDIX F and become binding on the permittee.

TABLE 4.1 lists the wells in the AOR, and shows the well type, operating status, depth, top of casing cement and whether a CAP is required for this well.

No corrective action is needed for this well. (See Appendix B, Logging and Testing requirements. Authorization to inject will be granted only after all logging and testing requirements have been met.)

PART V. Well Operation Requirements (40 CFR 146.23)

TABLE 5.1 INJECTION ZONE PRESSURES Walker Hollow Unit 43					
Formation Name	Depth Used to Calculate MAIP (ft)	Fracture Gradient (psi/ft)	Initial MAIP (psi)		
Du4 (Parachute Creek)	4,454	0.770	1,495		
Du5 (Garden Gulch)	4,454	0.770	1,495		
Du6	4,851	0.760	1,580		
Du7	4,851	0.760	1,580		
Du8	5,105	0.780	1,760		
Du8C	5,348	0.830	2,115		
Du8D	5,348	0.830	2,115		
DL1A	5,418	0.910	2,575		

Approved Injection Fluid

The approved injection fluid is limited to Class II injection well fluids pursuant to 40 CFR § 144.6(b). For disposal wells injecting water brought to the surface in connection with natural gas storage operations, or conventional oil or natural gas production, the fluid may be commingled and the well used to inject other Class II wastes such as drilling fluids and spent well completion, treatment and stimulation fluid. Injection of non-exempt wastes, including unused fracturing fluids or acids, gas plant cooling tower cleaning wastes, service wastes, and vacuum truck and drum rinsate from trucks and drums transporting or containing non-exempt waste, is prohibited.

Injection Pressure Limitation

Injection pressure, measured at the wellhead, shall not exceed a maximum calculated to assure that the pressure used during injection does not initiate new fractures or propagate existing fractures in the confining zones adjacent to the USDWs.

As stated in Appendix B, a Step Rate Test is required prior to receiving authorization to inject. Appendix B also states that in the event the Cement Bond Log does not show at least an adequate 80% Cement Bond Index, that a Radioactive Tracer Survey (RATS) will be required prior to authorization to inject.

The applicant submitted injection fluid density and injection zone data which was used to calculate a formation fracture pressure and to determine the maximum allowable injection pressure (MAIP), as measured at the surface, for this Permit.

TABLE 5.1 lists the fracture gradient for the injection zone and the approved MAIP, determined according to the following formula:

$$FP = [fg - (0.433 * sg)] * d$$

FP = formation fracture pressure (measured at surface)

fg = fracture gradient (from submitted data or tests)

sg = specific gravity (of injected fluid)

d = depth to top of injection zone (or top perforation)

Injection Volume Limitation

Cumulative injected fluid volume limits are set to assure that injected fluids remain within the boundary of the exempted area. Cumulative injected fluid volume is limited when injection occurs into an aguifer that has been exempted from protection as a USDW.

Mechanical Integrity (40 CFR 146.8)

An injection well has mechanical integrity if:

- 1. there is no significant leak in the casing, tubing, or packer (Part I); and
- 2. there is no significant fluid movement into a USDW through vertical channels adjacent to the injection well bore (Part II).

The Permit prohibits injection into a well which lacks mechanical integrity.

The Permit requires that the well demonstrate mechanical integrity prior to injection and periodically thereafter. A demonstration of mechanical integrity includes both internal (Part I) and external (Part II). The methods and frequency for demonstrating Part I and Part II mechanical integrity are dependent upon well-specific conditions as explained below.

Part I (Internal) MI will be demonstrated prior to beginning injection and at least once every five years after the last successful demonstration of Part I MI. A demonstration of Part I MI is also required prior to resuming injection following any workover operation that affects the casing, tubing, or packer. Part I MI may be demonstrated by a standard tubing-casing annulus pressure test using the maximum permitted injection pressure or 1,000 psi, whichever is less, with ten percent or less pressure change over thirty minutes.

A Cement Bond Log (CBL) was not provided for the injection well. The permittee is required to either run a CBL (showing adequate 80% or more Cement Bond Index) or conduct a Part II (External) MIT demonstration for the USA PB 20 injection well prior to authorization to inject (unless a limited authorization to inject is obtained in order to produce a valid test). If the CBL and RATS are unsuccessful, then a temperature log is required prior to authorization to inject to establish a baseline. Conduct the first temperature log within one year after authorization to inject. Conduct temperature log frequency at least once every five years after the last successful demonstration of Part II MIT.

PART VI. Monitoring, Recordkeeping and Reporting Requirements

Injection Well Monitoring Program

At least once a year the permittee must analyze a sample of the injected fluid for total dissolved solids (TDS), specific conductivity, pH, and specific gravity. This analysis shall be reported to EPA annually as part of the Annual Report to the Director. Any time a new source of injected fluid is added, a fluid analysis shall be made of the new source.

Instantaneous injection pressure, injection flow rate, cumulative fluid volume and TCA pressures must be observed on a weekly basis. A recording, at least once every thirty (30) days, must be made of the injection pressure, annulus pressure, monthly injection flow rate and cumulative fluid volume. This information is required to be reported annually as part of the Annual Report to the Director.

PART VII. Plugging and Abandonment Requirements (40 CFR 146.10)

Plugging and Abandonment Plan

Prior to abandonment, the well shall be plugged in a manner that isolates the injection zone and prevents movement of fluid into or between USDWs, and in accordance with any applicable Federal, State or local law or regulation. Tubing, packer and other downhole apparatus shall be removed. Cement with additives such as accelerators and retarders that control or enhance cement properties may be used for plugs; however, volume-extending additives and gel cements are not approved for plug use. Plug placement shall be verified by tagging. Plugging gel of at least 9.2 lb/gal shall be placed between all plugs. A minimum 50 ft surface plug shall be set inside and outside of the surface casing to seal pathways for fluid migration into the subsurface. Within sixty (60) days after plugging the owner or operator shall submit Plugging Record (EPA Form 7520 13) to the Director. The Plugging Record must be certified as accurate and complete by the person responsible for the plugging operation. The plugging and abandonment plan is described in Appendix E of the Permit.

PART VIII. Financial Responsibility (40 CFR 144.52)

Demonstration of Financial Responsibility

The permittee is required to maintain financial responsibility and resources to close, plug, and abandon the underground injection operation in a manner prescribed by the Director. The permittee shall show evidence of such financial responsibility to the Director by the submission of a surety bond, or other adequate assurance such as financial statements or other materials acceptable to the Director. The Regional Administrator may, on a periodic basis, require the holder of a lifetime permit to submit a revised estimate of the resources needed to plug and abandon the well to reflect inflation of such costs, and a revised demonstration of financial responsibility if necessary. Initially, the operator has chosen to demonstrate financial responsibility with:

Surety Bond, received March 27, 2006

Evidence of continuing financial responsibility is required to be submitted to the Director annually.

STATE OF UTAHDEPARTMENT OF NATURAL RESOURCES

FORM`9

<u> </u>	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 026651 A		
SUNDRY	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:		
TYPE OF WELL	ew wells, significantly deepen existing wells below curreterals. Use APPLICATION FOR PERMIT TO DRILL fo		7. UNIT or CA AGREEMENT NAME: Walker Hollow Unit 8. WELL NAME and NUMBER:
OIL WELL	GAS WELL OTHER I	njection Line	USA Pearl Broadhurst 20
2. NAME OF OPERATOR: Citation Oil & Gas Corp.			9. API NUMBER:
3. ADDRESS OF OPERATOR:		PHONE NUMBER:	4304730941 10. FIELD AND POOL, OR WILDCAT:
P O Box 690688	Houston STATE TX ZIP	77269 (281) 891-1565	Walker Hollow Green River
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' F	FNL & 1978' FWL		соилту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANG	GE, MERIDIAN: SENW 9 7S 23	3E	STATE: UTAH
11. CHECK APPR	ROPRIATE BOXES TO INDICATI	E NATURE OF NOTICE, REPO	PRT, OR OTHER DATA
TYPE OF SUBMISSION		TYPE OF ACTION	
NOTICE OF INTENT	ACIDIZE	DEEPEN	REPERFORATE CURRENT FORMATION
(Submit in Duplicate)	ALTER CASING	FRACTURE TREAT	SIDETRACK TO REPAIR WELL
Approximate date work will start:	CASING REPAIR	NEW CONSTRUCTION	TEMPORARILY ABANDON
	CHANGE TO PREVIOUS PLANS	OPERATOR CHANGE	TUBING REPAIR
	CHANGE TUBING	PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT (Submit Original Form Only)	CHANGE WELL NAME	PLUG BACK	WATER DISPOSAL
Date of work completion:	CHANGE WELL STATUS	PRODUCTION (START/RESUME)	WATER SHUT-OFF
	COMMINGLE PRODUCING FORMATIONS	RECLAMATION OF WELL SITE	✓ OTHER:
	CONVERT WELL TYPE	RECOMPLETE - DIFFERENT FORMATION	
	Accepted by the Utah Division of Oil, Gas and Minin FOR RECORD ON	currently existing injection line p	
NAME (PLEASE PRINT) Bridget Lis	7	_{тітье} Permitting Analys	st
SIGNATURE JUNGS	(Xixube)	DATE 6/28/2011	

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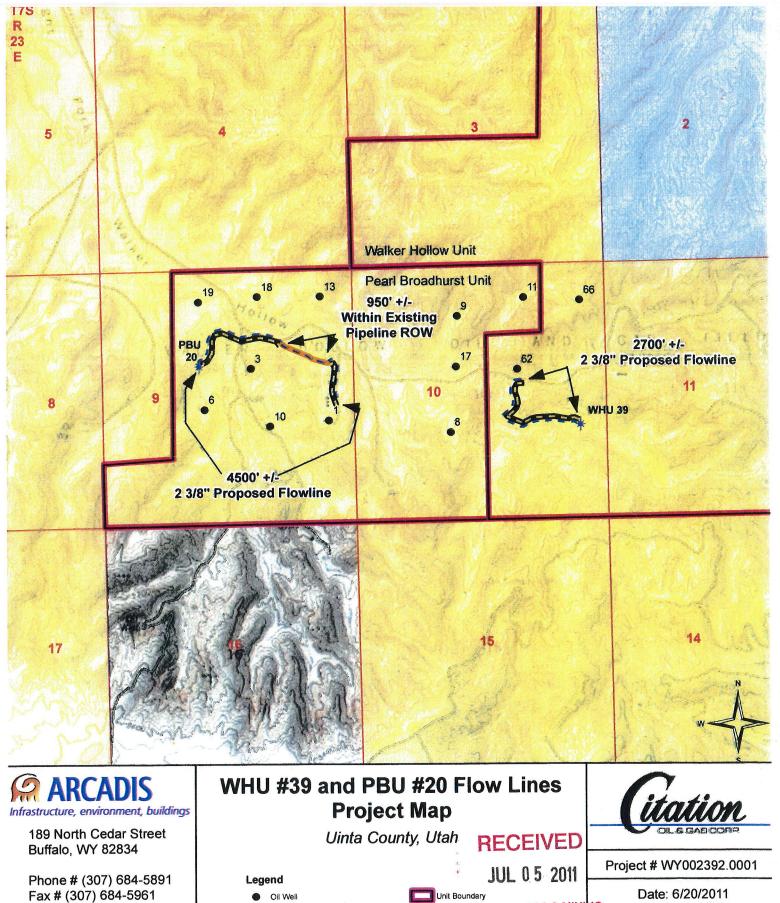
STATE OF UTAH

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DIVISION OF OIL, GAS AND MINING	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 026651 A
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	7. UNIT OF CA AGREEMENT NAME: ~ Walker Hollow Unit
OIL WELL GAS WELL OTHER Injection Line	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20
2. NAME OF OPERATOR: Citation Oil & Gas Corp.	9. API NUMBER: 4304730941
3. ADDRESS OF OPERATOR: P O Box 690688 CRY Houston STATE TX ZIP 77269 PHONE NUMBER: (281) 891-1565	10. FIELD AND POOL, OR WILDCAT: Walker Hollow Green River
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL & 1978' FWL	соинту: Uintah
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 7S 23E	STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPO	RT, OR OTHER DATA
TYPE OF SUBMISSION TYPE OF ACTION	
NOTICE OF INTENT (Submit in Duplicate) ACIDIZE DEEPEN ALTER CASING FRACTURE TREAT	REPERFORATE CURRENT FORMATION SIDETRACK TO REPAIR WELL
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/RESUME)	WATER SHUT-OFF
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WELL SITE	✓ OTHER:
CONVERT WELL TYPE RECOMPLETE - DIFFERENT FORMATION	
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volume Citation Oil & Gas Corp. requests permission to expand the currently existing injection line properties.	
Accepted by the Utah Division of Oil, Gas and Mining	
FOR RECORD ONLY	
NAME (PLEASE PRINT) Bridget Lisenbe TITLE Permitting Analyst	st
SIGNATURE Bridget Cliquible DATE 6/28/2011	

(This space for State use only)

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Projection: NAD 1983 **UTM Zone 12N Meters**

Source: NGS 2D Topo Quad O401093b Red Wash Bureau Di Van Mander CAS & MINI NG

Cartography by: CAS

Map:



Existing C&D Road, Proposed Pipeline Existing ROW, Proposed Pipeline

Injection Well

1Feet 625 1,250 2,500 3,750 5,000

SURFACE USE PLAN OF OPERATIONS

Walker Hollow Unit #39 & Pearl Broadhurst Unit #20 Flowline Installation

Uintah County, Utah

Lands Involved:

T7S, R23E, 6th P.M. SECTIONS 9 & 10

Prepared for:

Citation Oil & Gas Corporation 14077 Cutten Road Houston, TX 77069-2212

Prepared by:

ARCADIS U.S., Inc. 189 N. Cedar Street Buffalo, WY 82834

June 2011

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WHU #39 & PBU #20 FLOWLINE INSTALLATION

1. EXISTING ROADS

Citation Oil and Gas Corp (Citation) proposes to install two separate flowlines, which will transfer produced water from existing tie-in points to two separate existing injection wells.

The two proposed pipeline right-of-ways (project area) are located within Citation's Pearl Broadhurst and Walker Hollow Units, and can be accessed from existing roads. To access the project area from the junction of US-191 (North Vernal Ave) and US 40 (Main Street) Vernal, travel east on US 40 (Main Street) for approximately 13 miles to Jensen, Utah. Cross the Green River and take the next right (south) onto Red Wash Road. Travel south 8.2 miles to an unnamed road (Red Wash Road will turn southwest and begin to climb out of the valley). Turn left (east) onto the unnamed road and follow it 1.9 miles to an intersection. Take the right (south) fork at the intersection and travel 3.2 miles to Section 9, T7S R23E of the Pearl Broadhurst Unit.

2. PROPOSED ACCESS ROADS

No proposed access roads are required for this project.

3. LOCATION OF EXISTING AND PROPOSED FACILITIES

Well Pad

The Walker Hollow Unit (WHU) #39 existing well pad is located in the NESE Section 10, T7S R23E. The Pearl Broadhurst Unit (PBU) #20 is also an existing well pad in the SENW Section 9, T7S R23E (Appendix 1). Each of the flowlines utilizes an existing crown and ditch road right-of-way (ROW) and/or an existing pipeline ROW to connect tie-in points to the injection wells.

Pipeline Right-of-Way

The proposed WHU #39 flowline will follow an existing access ROW the entire length (~2,700 feet) in order to minimize surface disturbance. A 2 3/8 inch (2 3/8") fiberglass pipeline will be laid from an existing pipeline (tie-in point in the SWNE, Section 10, T7S R23E) to the well. The proposed pipeline will transport produced water to the well for injection. A track-hoe excavator with a 3-foot bucket will be used to excavate the pipeline trench to a depth not greater than 6 feet (6') below ground surface. Piping segments will be assembled in the right-of-way immediately adjacent to the trench. The maximum disturbance width for pipeline construction operations will not exceed 30'. The maximum anticipated surface disturbance should not exceed 1.86 acres.

The proposed PBU #20 flowline will also follow an existing access ROW with the exception of a 950' segment, which follows an existing pipeline ROW (Appendix 1). This segment follows a more direct route in order to reduce construction materials and overall surface disturbances. The overall length of this proposed flowline is 4,500'. A 2 3/8" (2 3/8") fiberglass pipeline will be laid from an existing pipeline (tie-in point in the SENW, Section 9, T7S R23E) to the well. The proposed pipeline will transport produced water to the well for injection. A track-hoe excavator with a 3-foot bucket will be used to excavate the pipeline trench to a depth not greater than 6' below ground surface. Piping segments will be assembled in the right-of-way immediately adjacent to the trench. The maximum disturbance width for pipeline construction operations will not exceed 30'. The maximum anticipated surface disturbance should not exceed 3.1 acres.

1

Pipeline construction will not block or change the natural course of any drainage, and trenches will be compacted during backfilling with a grader. Pipeline trenches will be maintained in order to correct settlement and erosion. The route for each pipeline trench is shown on the project map (**Appendix 1**). Construction operations are planned to commence upon project approval and will be completed within approximately 7-10 days.

All of the above-described facilities (proposed and/or existing) are clearly identified on the project map. The proposed pipeline right-of-way will be staked prior to construction.

4. CONSTRUCTION MATERIALS

No borrow sources (such as soil or gravel) will be required for construction operations. The 2 3/8" fiberglass piping will be delivered to the project site by truck. No other construction materials will be required for this project.

5. METHODS FOR HANDLING WASTE DISPOSAL

No trash will be placed in the pipeline trench. A covered trash container will be on site during all construction operations to contain trash, and this will be hauled whenever full to an approved landfill.

After construction operations are completed, all debris and waste material will be cleaned up and placed in trash containers. This container will be hauled to an approved landfill.

A portable, self-contained chemical toilet will be provided for human waste disposal during construction operations. Upon completion of operations, or as required, the toilet holding tank will be pumped and the contents disposed of in an approved sewage disposal facility.

Citation and its contractors shall ensure that all use, production, storage, transport and disposal of hazardous and extremely hazardous materials associated with project operations will be in accordance with all applicable existing or hereafter promulgated federal, state and local government rules, regulations and guidelines.

All project-related activities involving hazardous materials will be conducted in a manner to minimize potential environmental impacts. A file will be maintained containing current material safety data sheets (MSDS) for all chemicals, compounds and/or substances which are used in the course of construction operations. This file will be kept on location at all times and at Citation's field office when the construction operations have left the location.

6. ANCILLARY FACILITIES

No ancillary facilities have been planned in association with this project.

7. PLANS FOR SURFACE RECLAMATION

Citation has planned and designed this project to meet company standards, which are compatible with and complimentary to the BLM's primary surface management objectives of minimization of overall environmental impacts, and other impacts to resources including existing land uses and productivity. Reclamation practices and management objectives were designed using the BLM - Vernal Field Office guidance document, *Green River District Reclamation Guidelines (2011)*. Design elements targeted at reducing impacts include:

- Collocation of the pipeline along an existing roadway.
- Use of existing infrastructure, including travelways.
- Avoidance of steep slopes.
- Avoiding blading to prepare the right-of-way. This will help retain vegetation and root zones.
- Use of weed control measures to reduce potential for infestations, particularly in areas that have not been seeded.
- Revegetation of disturbed areas as soon as practical after construction within the recommended timeframe.
- Implementation of monitoring activities to assure that measures are current (e.g. revegetation).
- Implementation of stormwater BMP's to control sediment and mitigate erosion.

In accordance with these goals, Citation's standard practices include sound construction practices to minimize any attendant impacts and concurrent implementation of reclamation activities. Reclamation activities include those employed immediately following construction, those employed to complete interim reclamation (reclamation of all areas not required for use during production) and those employed to complete reclamation to pre-existing conditions.

The proposed pipeline is located in an existing oil and gas field which includes both abandoned and active wells. In accordance with the goals of minimization of impacts, some existing infrastructure, including travelways, are proposed for use with this project.

Seeding

Citation will use the following seed mix with the corresponding application rate:

Species	Application Rate (lbs/acre)
Gardner's Saltbush (Atriplex senescens)	4
Shadscale (Atriplex confertifolia)	4
Crested Wheatgrass (Agropyron cristatum)	4

A rangeland drill will be used to apply the seed between August 15 and prior to onset of frost as recommended in the *Green River District Reclamation Guidelines*.

All seed will be tested prior to application to ensure BLM specifications for PLS, purity, noxious weeds, etc. have been met. Seed tags will be provided to the Authorized Officer prior to the initiation of seeding activities.

As a majority of the pipeline right-of-ways will be collocated within an existing road's travel corridor, seeding requirements are expected to be minimal.

Slope Stability

Since the WHU #39 flowline will follow an existing improved road, slope contouring has already occurred and the pipeline will follow established contours achieved during road construction.

The PBU #20 flowline also follows and existing road for a majority of the proposed route. The segment which does not follow the road follows an existing pipeline ROW which has been previously contoured and stabilized.

Altered Water Courses

The proposed pipeline will not cross any hydrologic drainage features, therefore no alterations or reconstruction of drainages is anticipated.

Topsoil

Topsoil depths within the project area appear very shallow (<8"). Since trenching equipment will be used to install the WHU #39 and PBU #20 flowlines, separation of the shallow topsoil is considered unnecessary. Topsoil storage will not be necessary and backfilling of the trench will occur shortly after installation of the flowline.

Citation will employ erosion control methods based on requirements for site specific areas. For this particular project silt fences are anticipated to be adequate for erosion control along the pipeline right-of-way. Please refer to **Appendix 2** for additional erosion control methods that may be employed.

Noxious Weed Control

Existing presence of invasive weeds are anticipated for this project due to prior disturbance for road construction. Citation plans to spray weeds annually during the growing season within the project area using an approved herbicide until final reclamation is achieved.

Monitoring

The reclamation objective for this project is to attain 75% basal cover (comprised of desirable species) based on a similar undisturbed adjacent native vegetative community within 5 years of the initial reclamation action. Citation personnel and/or subcontractors will conduct monitoring along each of the proposed flowlines until 75% basal cover is achieved. Supplemental seeding efforts will be employed if needed.

Citation will submit an annual reclamation report to the Authorized Officer by March 31st until the reclamation goals have been achieved. The reclamation report will document compliance with all aspects of the reclamation objectives and standards.

8. SURFACE OWNERSHIP

All surface lands in the project area are owned by the Department of the Interior and administered by the Bureau of Land Management – Vernal Field Office.

9. OTHER INFORMATION

Additional Environmental Information

A Class III Cultural Resource Inventory has been performed on this project and has been submitted under separate cover.

A Paleontological Resource Survey has been performed on this project and has been submitted under separate cover.

It is our understanding the BLM will address any concerns in-house pertaining to potential impacts to the threatened, sensitive and endangered (TSE) species.

10. LESSEE'S OR OPERATOR'S REPRESENTATIVE AND CERTIFICATION

I hereby certify that I, or someone under my direct supervision, have inspected the pipeline route proposed herein; that I am familiar with the conditions which currently exist; that I have full knowledge of state and Federal laws applicable to this operation; that the statements made in this plan, to the best of my knowledge, are true and correct; and that the work associated with operations proposed herein will be performed by Citation Oil & Gas Corp and its contractors and subcontractors in conformity with this plan and the terms and conditions under which it is approved. I also certify that the company I represent is responsible for the operations conducted under this plan. This statement is subject to the provisions of 18 U.S.C. 1001 for the filing of false statements.

Executed this day of	, 2011.
Name	
Position Title	
Address	
Telephone	

APPENDIX 1 PROJECT MAP

APPENDIX 2 STORMWATER POLLUTION PREVENTION PLAN BMP'S

LIST OF BEST MANAGEMENT PRACTICES (BMP'S) THAT CITATION OIL & GAS CORP MAY USE DURING AND/OR IN THE COMPLETION OF CONSTRUCTION

Runoff Control

- Minimize clearing (Minimal clearing or disturbance of an area)
- Land grading (Grading and area to maximize the effectiveness of topography to reduce erosion and runoff potential. The use of brakes, bars, terraces, etc)
- Permanent diversions (Diversion to reroute water flow from an area and maintain minimal runoff). This can include water bars, some collection basins, etc. (These areas should not be driven on once established)
- Preserving natural vegetation (not destroying native vegetation that is already established in an area)
- Stabilize drainage ways (designated practices designed to armor and stabilize the drainage bottoms or banks against erosion)
- Check dams (berm or dam designed for the purpose of reducing water velocities, or short term water retention to reduce erosion)
- Filter berms (berms or systems designed for a flow through operation for sediment removal)
- Grass-lined channels (Channels that have established vegetation to prevent erosion. Channels maybe for infiltration or drainage)
- Riprap (any combination of rock composition applications to reduce erosion or maintain stability)
- Mulching (any type of mulching including crimping, hydro seeding, etc.)
- Permanent seeding (final seeding once construction is completed)
- Soil roughing (disking plowing, or any other disturbance practice which reduce soil compaction and increase available surface exposure.)
- Protect steep slopes
- Geotextiles (erosion matting of various types used to stabilize surface areas against erosion while vegetation is being reestablished)
- Gradient terraces (Terraces or water bar type construction to slow down, and reduce run off down a slope by running perpendicular to the slope)
- Soil retention (Measures designed for adequate soil protection while waiting for reestablishment)
- Temporary slope drain (drains or run off areas at the lower end of a stabilized slope to reduce and control erosion potential)
- Protect waterways (All measures designed for the specific intent of protecting existing water ways including but not limited to river, wetlands and streams.)
- Temporary stream crossings (areas where water way crossing are required, and special limitations are required to meet the needs usually a 404 permit is required for any of these type of operations)

Sediment Control

- Install perimeter controls (This may include hay bales, silt fence, berms or other controls to keep water from leaving the disturbed area)
- Temporary diversion dikes (Berms or dikes that are design for long term application but used

- while construction process are being completed)
- Wind fences and sand fences (May be snow fence or other type of fence to reduce wind erosion in and around immediate area)
- Brush barrier (Where natural brush line are used to reduce erosion potential of runoff)
- Silt fence (Used in application to reduce run off and must run perpendicular to slope and have adequate coverage to reduce the potential of erosion)
- Install sediment trapping devices (Designed specifically to collect sediment in a designed collection basin and may required cleanouts on a systematic basis)
- Sediment basins and rock dams (designed to reduce water velocities and allow sediment to filter out or fallout of suspension by reducing overall velocities)
- Sediment trap (a designed area to slow down and retain sediments that have become suspended)
- Inlet protection (a filtration system around a collection area to prevent sediment build up in the collection and delivery system)
- Good Housekeeping (Any generated waste need to be disposed off according to set standards)
- SPCC (all items should be contained according to SPCC plan or SWPPP)
- Vehicle maintenance and washing areas (Operations should be done in areas to minimize potential contaminate exposure to any water ways through direct exposure or runoff)
- Education and awareness (Operators should be familiar with requirements to stay within the compliance of the SWPPP requirement)
- Contractor certification and inspector training (Inspectors, operators and supervisors should all have adequate training to be familiar with the operations and the requirements to comply with SWPPP)
- Dust control (Waster, chemical, and mechanical practices)
- Construction sequencing (completion order of events to minimize erosion and disturbance in the area)
- Phase construction (Individual portion of a construction project that occur in the development of the project)
- Vegetated buffer (Establishment or protection of certain types of vegetative cover to protect adjacent areas)
- Chemical stabilization (spraying various chemical for stabilization of the area)

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December 15, 2011

US Department of the Interior Bureau of Land Management Vernal Field Office 170 South 500 East Vernal, Utah 84078-2799 State of Utah
Division of Oil, Gas and Mining
1594 West North Temple
Suite 1210
Salt Lake City, Utah 84114-5801

Re:

USA Pearl Broadhurst and Walker Hollow Unit Inactive Wells Walker Hollow Field, Uintah County, Utah

75 23E 9

Gentlemen:

Citation Oil & Gas Corp. converted the Walker Hollow Unit 43 to a water injection well 8/10/2011, prior to which, the well had been inactive for several years. For the past couple of years, Citation has had plans for these wells, but the scope of the projects has been revised due to changes in the economy, personnel and industry practices. I have attached a table of the remaining wells and our plan for those wells in the Walker Hollow Field.

Notices of Intent sundries will be submitted as follows:

- USA Pearl Broadhurst 15 (4304730901) Notice of Intent to plug and abandon
- USA Pearl Broadhurst 16 (4304730903) Notice of Intent to reactivate
- USA Pearl Broadhurst 20 (4304730941) Well expected to be converted by June, 2012
- Walker Hollow Unit 36 (4304730282)
 Notice of Intent to set CIBP and MIT for TA status
- Walker Hollow Unit 39 (4304730415)

Well expected to be converted by June 2012

Walker Hollow Unit 74 (4304731031)

Notice of Intent to set CIBP and MIT for TA status

The USA Pearl Broadhurst 20 and the Walker Hollow 39 each have approved EPA permits to convert for injection. We expect to convert these two wells by June, 2012 so sundries requesting extended shut in status of these two wells pending conversion to injection will be submitted, separately.

Please contact me at (281) 891-1576 or via email at dharris@cogc.com if you need additional information.

Singerely,

Debra Harris / by Bridgette Lisenbe Regulatory Compliance Coordinator

COPY SENT TO OPERATOR

Date: 2.2.2012

Initials: KS

/dkh Attachments

CTR

DEC 2 0 2011

DIV. OF OIL, GAS & MINING

Form 3160-5 (August 2007)

UNITED STATES DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

SUNDRY NOTICES AND REPORTS ON WELLS

FORM APPRO	VED
OMB No. 1004-	0137
Evpiree: July 31	2010

5. Lease Serial No. UTU02651A

6. If Indian, Allottee or Tribe Name

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals. 7. If Unit of CA Agreement, Name and or No. SUBMIT IN TRIPLICATE - Other instructions on page 2. 1. Type of Well 8. Well Name and No. USA Pearl Broadhurst 20 **✓** Oil Well Other Gas Well 9. API Well No. 43-047-30941 2. Name of Operator Citation Oil & Gas Corp. 10. Field and Pool or Exploratory Area 3b. Phone No. (include area code) 3a. Address Walker Hollow Green River (281) 891-1576 P.O. Box 690688, Houston TX 77269-0688 4. Location of Well (Footage, Sec., T.R.M., or Survey Description) 1986 エルー 1978 だい レ 190 FNL & 1978 FWL: Sec. 9. T7S, R23E: SE NW 11. Country or Parish, State Uintah County, Utah 12. CHECK THE APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT OR OTHER DATA TYPE OF ACTION TYPE OF SUBMISSION Water Shut-Off Production (Start/Resume) Deepen Acidize ✓ Notice of Intent Well Integrity Reclamation Fracture Treat Alter Casing Other Retain well in SI Recomplete New Construction Casing Repair Subsequent Report Status Temporarily Abandon Plug and Abandon _ Change Plans Water Disposal Plug Back Convert to Injection Final Abandonment Notice 13. Describe Proposed or Completed Operation: Clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplete horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports must be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompletion in a new interval, a Form 3160-4 must be filed once testing has been completed. Final Abandonment Notices must be filed only after all requirements, including reclamation, have been completed and the operator has determined that the site is ready for final inspection.) Citation Oil & Gas Corp. requests approval to retain this well in an inactive status pending conversion to injection. We have received final injection permit approval from the EPA for this well. Once well is converted to injection, additional reactivations are planned as economically justified and as the impact of the additional injection is realized. We have recently converted the Walker Hollow Unit 43 to injection and plan to convert the Walker Hollow Unit 39 to injection prior to 6/1/2012. Additional wells are scheduled to be reactivated once determined to be economical after waterflood response is realized. Federal Approval Of This Action Is Necessary 14. I hereby certify that the foregoing is true and correct. Name (Printed/Typed, Title Regulatory Compliance Coordinator Debra Harris 12/01/2011 Signature THIS SPACE FOR FEDERAL OR STATE OFFICE USE Approved by Title Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify Office that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false,

(Instructions on page 2)

fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

DEC 2 0 2011

	DEPARTMENT OF NATUR	AL RESOURCES			
	DIVISION OF OIL, GAS			5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 026651 A	
GINDDA	NOTICES AND RI	EPORTS ON WE	118	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:	
ואטאטפ	HOTTOLS AND KI	LI ONTO DIA AAC	LLU		
Do not use this form for proposals to drill n	new wells, significantly deepen existing aterals. Use APPLICATION FOR PERI	wells below current bottom-hole o	epth, reenter plugged wells, or to osals.	7. UNIT or CA AGREEMENT NAME:	
1. TYPE OF WELL OIL WELL		OTHER		8. WELL NAME and NUMBER: USA Pearl Broadhurst 20	
2. NAME OF OPERATOR:				9. API NUMBER:	
Citation Oil & Gas Corp.				4304730941	
3. ADDRESS OF OPERATOR: P O Box 690688	Y Houston STAT	E TX ZIP 77269	PHONE NUMBER: (281) 891-1569	10. FIELD AND POOL, OR WILDCAT: Walker Hollow Green River	
4. LOCATION OF WELL	37/11	La Carataga de la caraca de la caracana de la		emination and a second control of	
FOOTAGES AT SURFACE: 1980'	FNL & 1978' FWL			соинту: Uintah	
QTR/QTR, SECTION, TOWNSHIP, RAN	IGE, MERIDIAN: SENW 9	7S 23E		STATE: UTAH	
11. CHECK APPI	ROPRIATE BOXES TO	INDICATE NATUR	E OF NOTICE, REF	PORT, OR OTHER DATA	
TYPE OF SUBMISSION			TYPE OF ACTION		
-2	ACIDIZE	DEEPEN	<u> </u>	REPERFORATE CURRENT FORMATION	
NOTICE OF INTENT (Submit in Duplicate)	ALTER CASING	FRACTU	RE TREAT	SIDETRACK TO REPAIR WELL	
Approximate date work will start:	CASING REPAIR	☐ NEW CO	NSTRUCTION	TEMPORARILY ABANDON	
	CHANGE TO PREVIOUS PL	ANS OPERAT	OR CHANGE	TUBING REPAIR	
	CHANGE TUBING	PLUG AN	ID ABANDON	VENT OR FLARE	
SUBSEQUENT REPORT	CHANGE WELL NAME	PLUG BA	CK	WATER DISPOSAL	
(Submit Original Form Only)	CHANGE WELL STATUS	PRODUC	TION (START/RESUME)	WATER SHUT-OFF	
Date of work completion:	COMMINGLE PRODUCING	FORMATIONS RECLAN	ATION OF WELL SITE	OTHER:	
·	CONVERT WELL TYPE	RECOM	PLETE - DIFFERENT FORMATIO	NC	
12. DESCRIBE PROPOSED OR CO	OMPLETED OPERATIONS. Clea	arly show all pertinent details	including dates, depths, vol	iumes, etc.	
	equests approval to plu	g and abandon the r	eferenced well per t	he attached well bore diagram and	
procedures.		_			
	COPY SE	NT TO OPERATOR	1		
	***	3-9-2012			
	Date:	1/6			
	Initials:_				
NAME (PLEASE PRINT) Mary Torr	es	Ī	Permitting Ana	alyst	
(101 4 (704400=				
SIGNATURE / / L	LUNG	c	7/18/2012		
This space for State use only)	-contact by the	;			
	Utah Division of	Endoral An	proval Of This	RECEIVED	
	Utah Livian II Geo and Minim	Action Is	Necessarv	HH 1 0 2012	

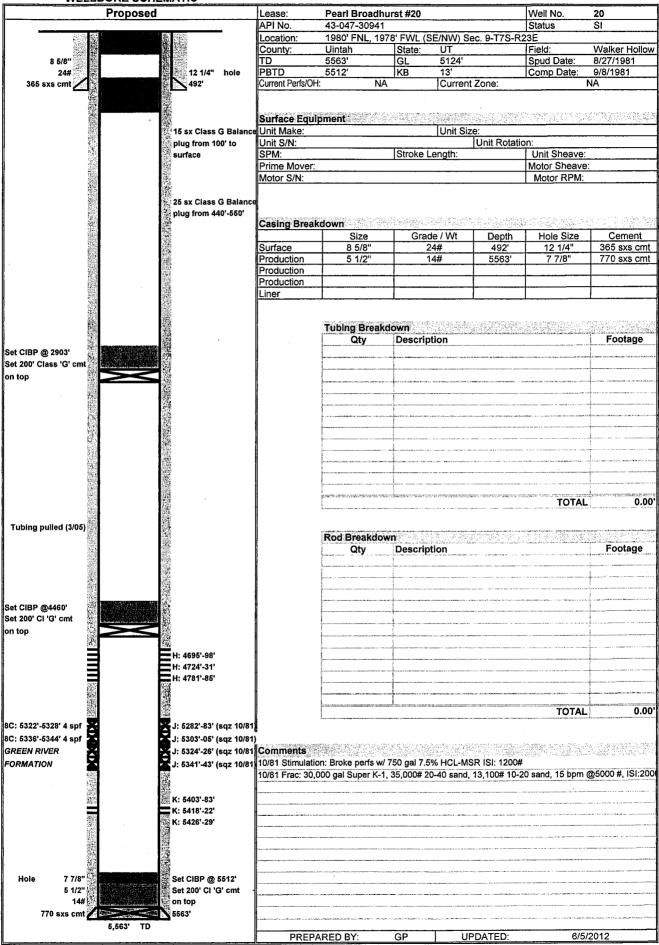
(5/2000)

DIV. OF OIL, GAS & MINING



Objective: Plug and Abandon SI Pearl Broadhurst Unit #20

- Notify BLM & State of Utah 48 hours before planned work
- If required, Dig & Line WO Pit. Dig out & expose bradenhead valve to monitor
- Unload & rack 4600' 2 3/8" workstring
- 9+ ppg Mud Laden Fluid required between cement plugs
- 1. MI RU PU. ND WH. NU BOP. PU & RIH w/ 6-1/8" bit & scraper on 2-7/8" WS. Tag PBTD @5512'. POOH. LD bit & scraper.
- 2. RU WL unit. RIH w/7" CIBP and set @ 5512'. RD WL unit. PU & RIH w/ NC on 2-7/8" WS and tag CIBP. PUH 1 stand. Mix & pump 30 sx Class G cement and spot on top of CIBP. WOC.
- 3. PU & RIH w/7" CIBP on 2-7/8" WS tbg. Set CIBP @ 4460'. PUH 1 stand. MI RU pump truck and cementers. Mix and pump 30 sxs Class 'G' cement and spot on top of CIBP. WOC.
- 4. PUH to 4000' LD tbg. Circulate casing w/ 9 ppg mud laden fluid. POOH w/ tbg.
- 5. RIH w/7" CIBP on 2-7/8" WS tbg. Set CIBP @ 2903'. PUH 1 stand. MI RU pump truck and cementers. Mix and pump 30 sxs Class 'G' cement and spot on top of CIBP. WOC.
- 6. RIH w/ tbg & tag TOC plug. PUH w/ EOT to 550' (LD tbg). Mix & spot 25 sx class G balanced plug f/550' to 440'. WOC.
- 7. RIH w/ tbg OE & tag TOC. PUH & LD tbg to 100'. Mix & pump 15 sx surface plug. POOH LD tbg.
- 8. RD MO Cement pump truck & PU.
- 9. Cut off WH & csg 6' below ground level. Install permanent monument that shows the well number, location, and name of the lease, as per BLM regulations (i.e., no less than 4" diameter, no less than 10' in length, of which 4' shall be above ground level).
- 10. Cut off anchors, back fill cedar & WO pit. Reclaim location.



STATE OF UTAH

MAY 2 0 2013

DEPARTMENT OF NATURAL RESOURCES

RECEIVED

FORM 9

DIVISION OF OIL, GAS AND MINING DIV. OF OIL,	5. LEASE DESIGNATION AND SERIAL NUMBER: UTU 026651 A				
SUNDRY NOTICES AND REPORTS ON WELLS	6. IF INDIAN, ALLOTTEE OR TRIBE NAME:				
Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter pludrill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.	gged wells, or to 7. UNIT or CA AGREEMENT NAME:				
1. TYPE OF WELL OIL WELL GAS WELL OTHER	8. WELL NAME and NUMBER: USA Pearl Broadhurst 20				
2. NAME OF OPERATOR:	9. API NUMBER:				
Citation Oil & Gas Corp. 3. ADDRESS OF OPERATOR: PHONE NUI	4304730941				
THOREMON	MBER: 10. FIELD AND POOL, OR WILDCAT: 91-1555 Walker Hollow Green River				
4. LOCATION OF WELL FOOTAGES AT SURFACE: 1980' FNL & 1978' FWL county: Uintah					
QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: SENW 9 7S 23E	STATE: UTAH				
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOT	TICE, REPORT, OR OTHER DATA				
TYPE OF SUBMISSION TYPE OF A	CTION				
NOTICE OF INTENT	REPERFORATE CURRENT FORMATION				
(Submit in Duplicate) ALTER CASING FRACTURE TREAT	SIDETRACK TO REPAIR WELL				
Approximate date work will start: CASING REPAIR NEW CONSTRUCTION	TEMPORARILY ABANDON				
CHANGE TO PREVIOUS PLANS OPERATOR CHANGE	TUBING REPAIR				
CHANGE TUBING PLUG AND ABANDON	VENT OR FLARE				
SUBSEQUENT REPORT CHANGE WELL NAME PLUG BACK (Submit Original Form Only)	WATER DISPOSAL				
Date of work completion: CHANGE WELL STATUS PRODUCTION (START/F					
COMMINGLE PRODUCING FORMATIONS RECLAMATION OF WEL					
CONVERT WELL TYPE RECOMPLETE - DIFFER					
DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU. CIBP set @ 2875'. Pulled up 3' & pmp'd 15 sxs of class G cement. Pmp'd 108 sxs of class G cmt in csg frm 594' to surf. Filled 5 1/2" to surf & ran 80' of 1" pipe btwn 8 5/8 & circ to surface, total of 15 sxs of cmt. Well P&A'd 04/24/2013					
NAME (PLEASE PRINT) Sandra Goncalves TITLE Com	pletion Analyst				
SIGNATURE Sandra Concalves DATE 5/15/	2013				

(This space for State use only)

CITATION OIL & GAS CORP. PEARL BROADHURST UNIT #20 WIW 1980' FNL, 1978' FWL, (SE NW) Sec 9-T7S-R23E **UINTAH CO., UTAH**

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API: 43-047-30941

DIV. OF OIL, GAS & MINING

Elevation: 5124' GL Status: P & A'd KB = 13' AGLCirculated 15 sx between 5 ½ " and 8 5/8" to surface 12-1/4"" Hole 8 5/8" 24# K-55 csg set Perf'd 4 @ 550' pumped 108 sxs G cmt from 594' to @ 492' w/ 365 sx 'H' surface Circ'd to surface CIBP@ 2875' w/15 sxs cmt on top 7-7/8" Hole CIBP @ ~4608' w/ 100 sx on top 4695' - 98' w/ 4 spf (4/94): 4724' - 31' NO Stimulation 4781'-85' 5282'-83', w/ 2 spf (9/81); 8C: 5322' - 5328' w/ 4 spf 5303', 5305', Sqz'd w/75 sx 5324', 5326', 8C: 5336' - 5344' w/ 4 spf (10/81)5341'-43' 8D: 5403' - 5408' w/ 1 spf (9/81) DL1a: 5418' - 5422' DL1a: 5426' - 5429' 5 1/2" 14# K-55 csg set @ 5563' w/ 770 sx Howco lite + 460 sx 50-

50 POZ - Circ'd to surface

Original PBTD = 5523'

PBTD: 5512'

TD: 5563'